# ELECTRONIC ORGAN
# SR7
# SR6
# SR5

# SERVICE MANUAL

KAWAI
Kawai Musical Instrument
Manufacturing Co., Ltd.

NOVEMBER 1987

## 1. P.W.B. INFORMATION

| P.W.B. Name | Code No. | Models | Description |
|---|---|---|---|
| EO-001 (1): Japan<br>(2): All markets except Japan<br>(3): Japan<br>(4): All markets except Japan | 232720<br>232721<br><br>232722<br>232723 | SR2700, SR1600<br>SR7, SR6<br><br>SR1500<br>SR5 | MASTER CPU, TC, KEYTOUCH, RHYTHM |
| EO-002 (1): All markets<br><br>(2): All markets<br><br>(3): All markets | 232724<br><br>232725<br><br>232726 | SR2700, SR1600<br>SR7, SR6<br>SR2700, SR1600<br>SR7, SR6<br>SR1500<br>SR5 | TC, HCC, WFG, ADSR, FNG, D/A Converter |
| EO-003, 016 (1): All markets | 232727 | SR2700<br>SR7 | EO-003: PANEL SWITCH (Left 1)<br>EO-016: CHEEK BLOCK SWITCH (Right side) |
| EO-004 (1): All markets | 232728 | SR1600<br>SR6 | PANEL SWITCH (Left 1) |
| EO-005, 007 (1): All markets | 232729 | SR1500<br>SR5 | EO-005: PANEL SWITCH (Left 1)<br>EO-007: PANEL SWITCH (Left 2) |
| EO-006, 008 (1): All markets | 232730 | SR2700, SR1600<br>SR7, SR6 | EO-006: PANEL SWITCH (Left 2)<br>EO-008: PANEL SWITCH (Center 3) |
| EO-009 (1): All markets | 232733 | SR1500<br>SR5 | PANEL SWITCH (Center 3) |
| EO-010, 012 (1): All markets | 232734 | SR2700, SR1600<br>SR7, SR6 | EO-010: PANEL SWITCH (Right 4)<br>EO-012: PANEL SWITCH (Right 5) |
| EO-011, 013 (1): All markets | 232735 | SR1500<br>SR5 | EO-011: PANEL SWITCH (Right 4)<br>EO-013: PANEL SWITCH (Right 5) |
| EO-014 (1): All markets | 232738 | SR2700<br>SR7 | CHEEK BLOCK SWITCH (Left side) |
| EO-015, 017 (1): All markets<br><br>(2): All markets | 232739<br><br>234740 | SR1500<br>SR5<br>SR1600<br>SR6 | EO-015: CHEEK BLOCK SWITCH (Left side)<br>EO-017: CHEEK BLOCK SWITCH (Right) |
| EO-018 (1): All markets | 232743 | SR2700, SR1600<br>SR7, SR6 | KEYBOARD CONDUCTOR SWITCH |
| EO-019, 022 (1): All markets | 232744 | SR1500<br>SR5 | EO-019: KEYBOARD CONDUCTOR SWITCH<br>EO-022: DRAWBAR VOLUME |
| EO-020 (1): All markets | 232745 | SR2700<br>SR7 | DRAWBAR VOLUME |
| EO-021 (1): All markets | 232746 | SR1600<br>SR6 | DRAWBAR VOLUME |
| EO-023 (1)~(4): All markets | 232748 | All models | SUB CPU for PANEL & CHEEK BLOCK |

| P.W.B. Name | Code No. | Models | Description |
|---|---|---|---|
| EO-024 (1): All markets | 232753 | SR1600, SR1500<br>SR6, SR5 | SUB CPU for PANEL & CHEEK BLOCK |
| EO-025, 035 (1): All markets | 232752 | SR2700<br>SR7 | EO-025: SUB CPU for RIGHT SIDE CHEEK BLOCK<br>EO-035: 25 KEYS PEDAL |
| EO-026 (1): All markets<br>(2): All markets | 232755<br>232756 | SR2700, SR1600<br>SR7, SR6<br>SR1500<br>SR5 | KEY SLIP SWITCH |
| EO-027, 030, 031, 034 (1): All markets<br>(2): All markets | 232757<br>232758 | SR2700, SR1600<br>SR7, SR6<br>SR1500<br>SR5 | EO-027: ALL AUDIO SIG. MIXING, EXPRESSION, T. VOLUME<br>EO-030: ORCH. ENSEMBLE, PHASER, TR/CH<br>EO-031, 034: SUB SPU for ANALOG CONTROL |
| EO-028, 038, 042 (1): All amrkets<br>(2): All markets | 232759<br>232760 | SR2700, SR1600<br>SR7, SR6<br>SR1500<br>SR5 | EO-028: ORGAN AUDIO SIG. MIXING<br>EO-038: ILLUMINATION LAMP for PEDAL<br>EO-042: KEY SLIP SWITCH |
| EO-029 (1): All markets | 232761 | All models | DEGITAL REVERB, MULTI PHONIC |
| EO-032, 033 (1): All markets | 232765 | All models | EO-032: FRONT MIC PANEL<br>EO-033: MIDI I/O JACK |
| EO-036 (1): All markets | 232768 | SR2700<br>SR7 | ILLUMINATION LAMP for PANEL |
| EO-039, 040, 041 (1): All markets | 232770 | SR2700<br>SR7 | 25 KEYS PEDAL |
| EO-043, 044, 045 (1): Japan<br>(2): U.S.A.<br>(3): Canada<br>(4): Europe<br>(5): 110/220V markets<br>(6): Japan<br>(7): U.S.A.<br>(8): Canada<br>(9): Europe<br>(10): 110/220V markets | 232774<br>232775<br>232776<br>232777<br>232778<br>232779<br>232780<br>232781<br>232782<br>232783 | SR2700, SR1600<br>SR7, SR6<br>SR7, SR6<br>SR7, SR6<br>SR7, SR6<br>SR1500<br>SR5<br>SR5<br>SR5<br>SR5 | EO-043: POWER AMP.<br>EO-044: AC PRIMARY<br>EO-045: EXTERNAL OUT JACK |
| K90PB101, 103 All markets | — | SR1600, SR1500<br>SR6, SR5 | 49 KEYS MANUAL (Upper/Lower) |
| K90PB104 All markets | — | SR2700, SR1600<br>SR7, SR6 | 44 KEYS SOLO |
| K90PB101, 102 All markets | — | SR2700<br>SR7 | 61 KEYS MANUAL (Upper/Lower) |

SR5 & SR6 use the KS-14 pedal switch circuit board, Kawai part # KSX-14-001 (circuit board comes with rubber switch cups)

## 2. SEMICONDUCTORS LIST

| | Code No. | Name | SR2700/SR7A/SR7 Pieces | SR1600/SR6A/SR6 Pieces | SR1500/SR5A/SR5 Pieces |
|---|---|---|---|---|---|
| IC | 706077 | NJM-4558D0 | 9 | 9 | 8 |
| | 706906 | C-MOS 4053B | 4 | 4 | 4 |
| | 706937 | BA6110 | 4 | 4 | 4 |
| | 706952 | L78M05 | 1 | 1 | 1 |
| | 706984 | MB84051B | | | 2 |
| | 800049 | ULN2003A | 1 | 1 | 1 |
| | 800062 | NE571 | 1 | 4 | 4 |
| | 800109 | NJD6506S | 1 | 1 | 1 |
| | 800418 | TL-072CP | 2 | 2 | 2 |
| | 800715 | 5222L | 1 | 1 | 1 |
| | 800720 | 74LS00 | 1 | 1 | 1 |
| | 800744 | NJM-4558S | 8 | 8 | 12 |
| | 800762 | M5218L | 10 | 10 | 10 |
| | 802043 | MB8416A-15L-SK | 1 | 1 | 1 |
| | 802177 | 74LS09 | 1 | 1 | 1 |
| | 802202 | MN3214 | | | 1 |
| | 802203 | MN3209 | 5 | 5 | 5 |
| | 802357 | TD62901P | 3 | 3 | 3 |
| | 802449 | STK-4036 (2) | 1 | 1 | |
| | 802513 | TC4051B | 2 | 2 | |
| | 802798 | M51131L | 11 | 11 | 10 |
| | 802823 | SSM2300 | 2 | 2 | 2 |
| | 802837 | MSM74HC174 | 1 | 1 | 1 |
| | 802840 | MSM74HC283 | 2 | 2 | 2 |
| | 802929 | NJM-082S | 1 | 1 | 1 |
| | 802937 | TA8505P | 1 | 1 | 1 |
| | 803014 | SN74LS07 | 8 | 7 | 7 |
| | 803015 | M60009-0103FP | 1 | 1 | 1 |
| | 803016 | M60009-0104FP | 1 | 1 | 1 |
| | 803397 | PCM55HP | 10 | 7 | 4 |
| | 803404 | MB84001B | 6 | 6 | 6 |
| | 803585 | MB63H158FP | 2 | 2 | 1 |
| | 803586 | MB97159 | 6 | 6 | 3 |
| | 803587 | MB87160 | 4 | 4 | 2 |
| | 803588 | MB651111 | 2 | 2 | 1 |
| | 803589 | MB65119A | 2 | 2 | 1 |
| | 803947 | 78L09 | 1 | 1 | 1 |
| | 803948 | 79M05 | 1 | 1 | 1 |
| | 803949 | MN3102 | 1 | 1 | 1 |
| | 803950 | STK-4191 (2) | | | 1 |
| | 803985 | SI-3152V | 1 | 1 | 1 |
| | 803994 | TC74HC4040 | 2 | 2 | 2 |
| | 803995 | TC74HC4051AP | 3 | 3 | 3 |
| | 803996 | TC74HC4094 | 2 | 2 | 2 |
| | 803997 | TL064 | 8 | 8 | 8 |
| | 803998 | TLC549 | 2 | 2 | 2 |
| | 803999 | LM1894 | 2 | 2 | 2 |
| | 804000 | AN7171K | 1 | 1 | 1 |
| | 804001 | MB8464A-15L-SK | 1 | 1 | 1 |
| | 804042 | MB74LS241 | 1 | 1 | 1 |
| | 804043 | MB74LS07 | 1 | 1 | 1 |

| | Code No. | Name | SR2700/SR7 Pieces | SR1600/SR6 Pieces | SR1500/SR5 Pieces |
|---|---|---|---|---|---|
| IC | 804044 | MB84256-15L | 1 | 1 | 1 |
| | 804045 | MB8464A-10LFP | 4 | 4 | 2 |
| | 804046 | MB84052BFP | 1 | 1 | 1 |
| | 804047 | NJM064M | 7 | 7 | 4 |
| | 804048 | MB74LS138FP | 3 | 3 | 2 |
| | 804049 | MB74HC00FP | 1 | 1 | 1 |
| | 804050 | MB74HC04FP | 2 | 2 | 1 |
| | 804052 | MB74HC153FP | 4 | 4 | 2 |
| | 804053 | M5M5165FP-70 | 16 | 16 | 8 |
| | 804054 | MB84053BFP | 8 | 8 | 4 |
| | 804055 | HD74HC541 | 2 | 2 | 2 |
| | 804056 | HD74HC245 | 1 | 1 | 1 |
| | 804057 | HD74HC00 | 1 | 1 | 1 |
| | 804058 | MB673110 | 3 | 3 | 2 |
| | 804059 | HD64180R1P8 | 3 | 3 | 2 |
| | 804298 | 74HC574 | 2 | 2 | 2 |
| | 804350 | MB74HC27FP | 1 | 1 | 1 |
| | 912155 | 27C1000-20Z (PROM:P002) | 1 | 1 | 1 |
| | 912160 | 27C1000-20Z (PROM:P003) | 1 | 1 | 1 |
| | 912165 | 27C1000-20Z (PROM:P005) | 2 | 2 | 1 |
| | 912170 | 27C1000-20Z (PROM:P006) | 1 | 1 | |
| | 912175 | 27C1000-20Z (PROM:P007) | 1 | 1 | |
| | 912180 | 27C1000-20Z (PROM:P008) | 1 | 1 | |
| | 912185 | 27C1000-20Z (PROM:P009) | | | 1 |
| | 912190 | 27C1000-20Z (PROM:P010) | | | 1 |
| | 912195 | MB834200-25-203 (MASKROM:P011) | 1 | 1 | 1 |
| | 912215 | MB23256-20 (MASKROM:P015) | 2 | 2 | 1 |
| | 912225 | MB7112E (PROM:P017) | 1 | 1 | 1 |
| | 912230 | IFL CK2605 (P018) | 1 | 1 | 1 |
| | 913280 | HD63705Z0F | 7 | 6 | 6 |
| TRANSISTOR | 706135 | 2SA825R | 7 | 7 | 7 |
| | 802294 | 2SC-945P | 1 | 1 | 1 |
| | 802362 | 2SA874R | 49 | 45 | 45 |
| | 802363 | 2SC2021R | 157 | 153 | 153 |
| | 802508 | 2SC3331T | 22 | 22 | 20 |
| | 803956 | DTC114YF | 3 | 3 | 3 |
| | 803957 | D1225M | 1 | 1 | 1 |
| FET | 706537 | 2SK-304E | 3 | 3 | 2 |

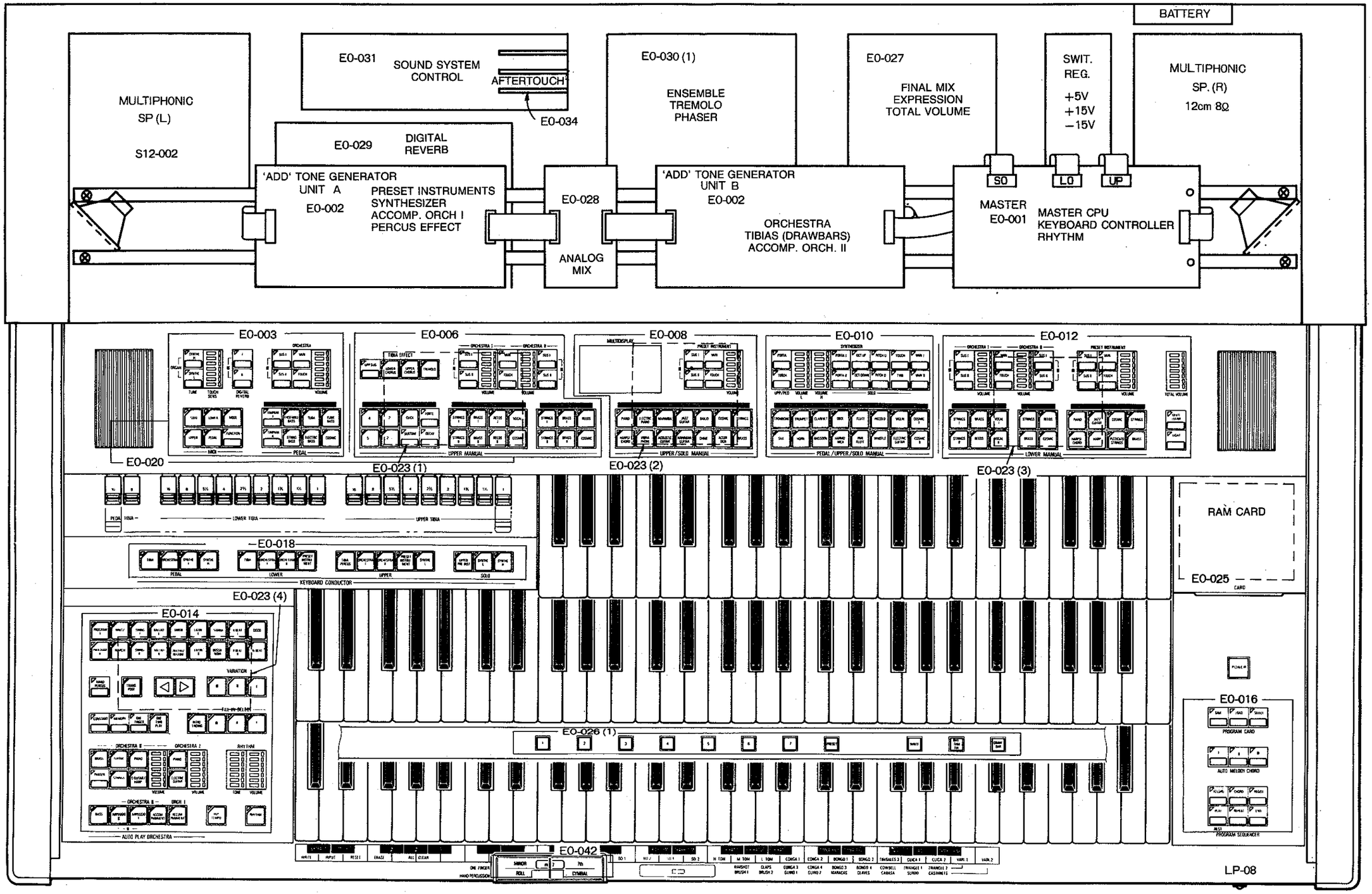
| | Code No. | Name | SR2700/SR7 Pieces | SR1600/SR6 Pieces | SR1500/SR5 Pieces |
|---|---|---|---|---|---|
| **DIODE** | 706317 | 1S2473 | 89 | 93 | 107 |
| | 706534 | SR-503C | 1 | 1 | 1 |
| | 800399 | 1S2473HJ | 50 | | |
| | 800423 | 1SS133 | 292 | 281 | 209 |
| | 801809 | 1SR35-200 | 5 | 5 | 5 |
| | 803958 | BA100B | 1 | 1 | 1 |
| | 803959 | RBV-602 | 1 | 1 | 1 |
| **ZENOR DIODE** | 800753 | MTZ8.2C | 1 | 1 | 1 |
| | 800763 | WZ-033 (3.3V) | 1 | 1 | 1 |
| | 800787 | MTZ5.1B | 4 | 4 | 3 |
| | 800788 | MTZ12C | 1 | 1 | 1 |
| | 803408 | MTZ6.2B | 3 | 3 | 3 |
| | 803970 | 04AZ3.3 | 1 | 1 | 1 |
| | 803971 | 04AZ5.6 | 1 | 1 | 1 |
| **COIL** | 802994 | SBT-0440 | 30 | 30 | 30 |
| | 803939 | SC-05-200 | 1 | 1 | 1 |
| **LED** | 802996 | LTZ-15MR | 1 | 1 | 1 |
| | 803986 | SLR-55VC | 1 | 1 | 1 |
| **FILTER** | 800664 | DSS310-55D 223S | 24 | 23 | 23 |
| **SURGE PROTECTOR** | 802905 | DSP-301N | 30 | 30 | 30 |
| **PHOTO COUPLER** | 803590 | 6N137 | 1 | 1 | 1 |
| **LITHIUM BATTERY** | 803595 | CR14250SE-FT | 1 | 1 | 1 |
| **FUSE** | 713349 | 1A | 1 | 1 | |
| | 713351 | 1.5A | 1 | 1 | 1 |
| | 713356 | 3A | 4 | 4 | 3 |
| | 713358 | 5A | 3 | 3 | 3 |
| **RELAY SWITCH** | 800689 | AJD-421 | 4 | 4 | 3 |
| **CRYSTAL GENERATOR** | 803598 | AT-51 16MHZ | 2 | 2 | 2 |
| | 803941 | AT-51 4MHZ | 1 | 1 | 1 |
| | 804270 | AT-51 10MHZ | 1 | 1 | 1 |

## 3. PARTS LIST

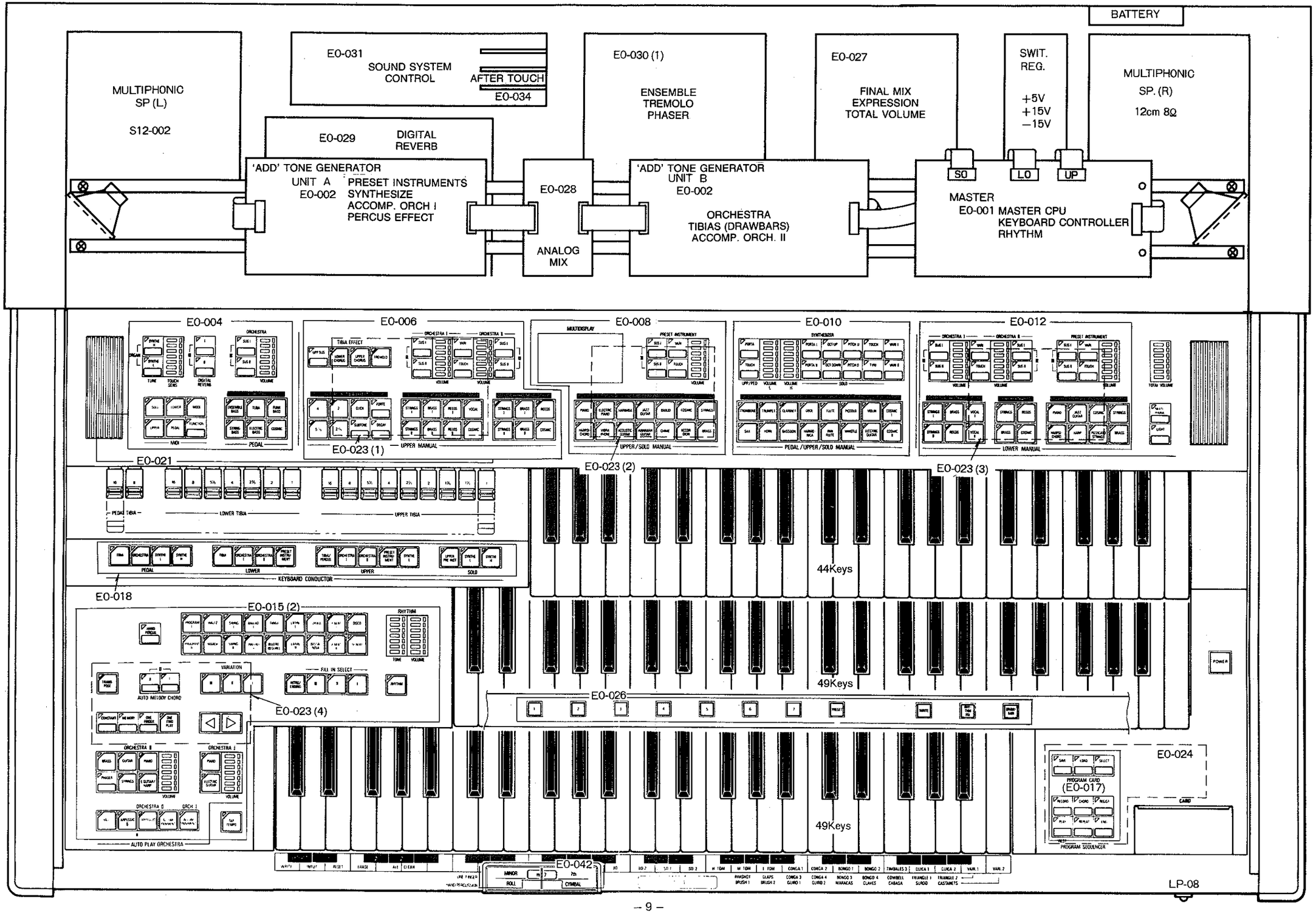
| Code No. | Name | SR2700/SR7 Pieces | SR1600/SR6 Pieces | SR1500/SR5 Pieces |
|---|---|---|---|---|
| 230861 | Pedal Keyboard Assy | 1 | | |
| 230852 | Slide Lid Assy | | | 1 |
| 230855 | Slide Lid Assy | | 1 | |
| 230857 | Bench Assy | | 1 | |
| 230858 | Slide Lid Assy | 1 | | |
| 230859 | Bench Assy | 1 | | |
| 230866 | Bench Assy | | | 1 |
| 784060 | Illumination Lamp BQ051-22403A | 12 | 8 | 8 |
| 784105 | Short Jack EJU6C8 | 1 | 2 | 2 |
| 784132 | Headphone Jack EJU-6K3 | 1 | 1 | 1 |
| 800489 | Lamp Switch 15L-C12-1 | 11 | 11 | 9 |
| 802053 | MIDI Connector M1704 | 1 | 1 | 1 |
| 802216 | Drawbar Volume EVA-A-12P05B14 | 20 | 18 | 13 |
| 803523 | Keyboard (61Keys) ESK-90501 | 1 | | |
| 803699 | Lower Keyboard ESK-90502 | | 1 | 1 |
| 803700 | Upper Keyboard ESK-90505 | | 1 | 1 |
| 803701 | Touchbar Case | 1 | 1 | 1 |
| 803702 | Touchbar Cap (L) | 1 | 1 | 1 |
| 803703 | Touchbar Cap (R) | 1 | 1 | 1 |
| 803717 | Power Switch Button | 1 | 1 | 1 |
| 803718 | Card Reader | 1 | 1 | 1 |
| 803899 | Solo Keyboard (44Keys) ESK-90503 | 1 | 1 | |
| 803905 | Upper Keyboard ESK-90504 | 1 | | |
| 803967 | Touch Volume KUHLHA00A | 15 | 15 | 11 |
| 803976 | 6P Pin Jack 06P0269-30 | 1 | 1 | 1 |
| 803977 | Normal Jack HLJ0608-01-100 | 2 | 2 | 2 |
| 804063 | LED Switch Red 18L-170-1010 | 6 | 6 | 3 |
| 804064 | LED Switch Green 18L-170-1030 | 6 | 6 | 4 |
| 804065 | LED Switch Yellow 18L-170-1050 | 3 | 3 | 2 |
| 804066 | LED Switch Brown 18L-170-1800 | 120 | 120 | 106 |
| 804112 | EO-003 LED Switch | 1 | | |
| 804113 | EO-004 LED Switch | 1 | | |
| 804114 | EO-005 LED Switch | | | 1 |
| 804115 | EO-006 LED Switch | 1 | 1 | |
| 804116 | EO-007 LED Switch | | | 1 |
| 804117 | EO-008 LED Switch | 1 | | |
| 804118 | EO-010 LED Switch | 1 | 1 | |
| 804119 | EO-011 LED Switch | | | 1 |
| 804120 | EO-012 LED Switch | 1 | 1 | |
| 804121 | EO-013 LED Switch | | | 1 |
| 804122 | EO-014 LED Switch | 1 | | |
| 804123 | EO-015 LED Switch | | 1 | 1 |
| 804124 | EO-016 LED Switch | 1 | | |

| Code No. | Name | SR2700/SR7 Pieces | SR1600/SR6 Pieces | SR1500/SR5 Pieces |
|---|---|---|---|---|
| 804125 | EO-017 LED Switch | | 1 | 1 |
| 804130 | LED Switch Gray 18L-170-1700 | 3 | 3 | 3 |
| 903155 | Pedal Keyboard (F) | | 1 | 1 |
| 910995 | Side Board (R) | | | 1 |
| 911000 | Side Board (L) | | | 1 |
| 911010 | Key Slip | | | 1 |
| 911530 | Knee Lever | 1 | 1 | 1 |
| 911540 | Upper Key Slip | | | 1 |
| 911605 | Side Board (R) | | 1 | |
| 911610 | Side Board (L) | | 1 | |
| 911630 | Key Slip | | 1 | |
| 911790 | Solo Key Slip | | 1 | |
| 911795 | Upper Key Slip | | 1 | |
| 911800 | Side Board (R) | 1 | | |
| 911805 | Side Board (L) | 1 | | |
| 911815 | Key Slip | 1 | | |
| 911980 | Solo Key Slip | 1 | | |
| 911985 | Upper Key Slip | 1 | | |

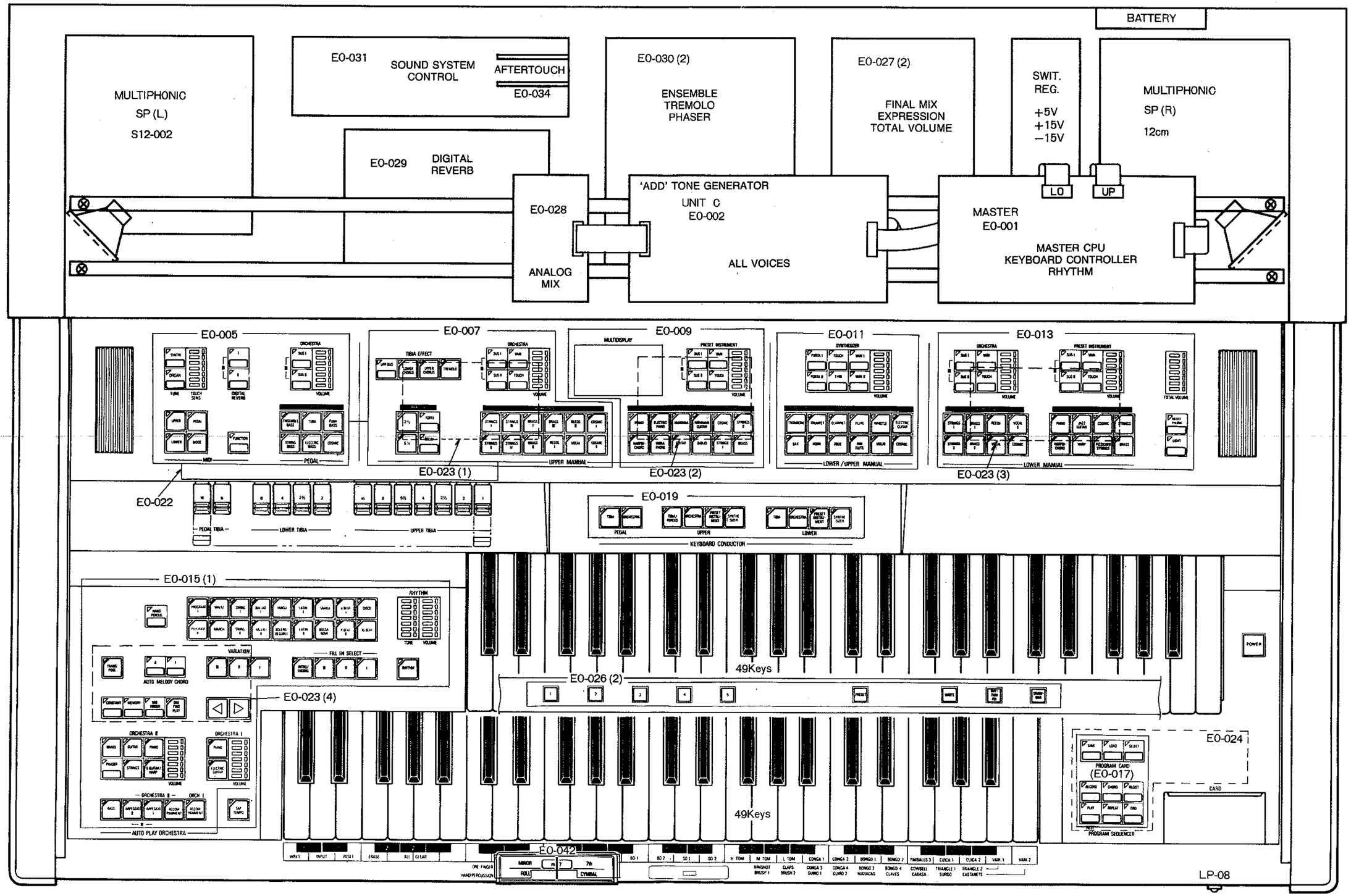
## 4. SR7-PCB LAYOUT



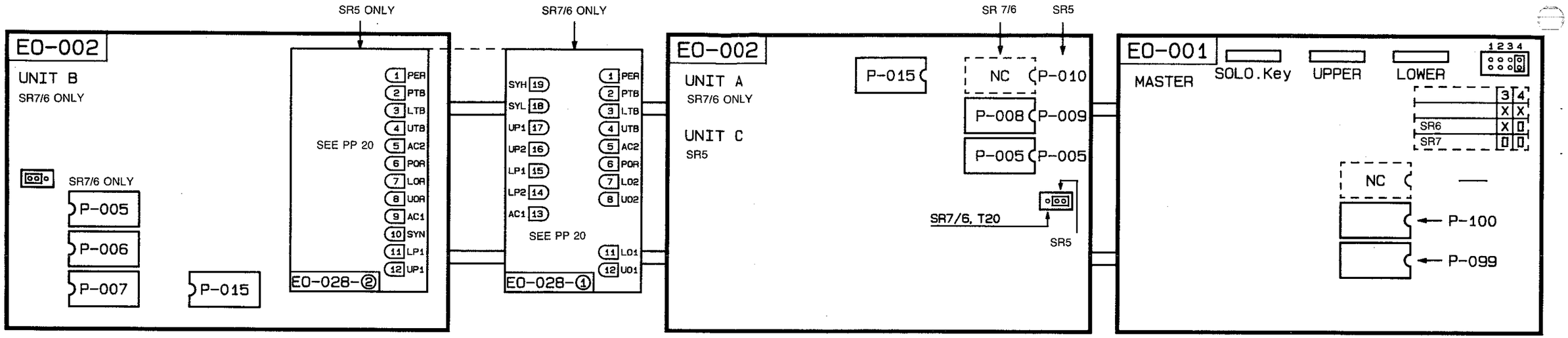
## 5. SR6-PCB LAYOUT

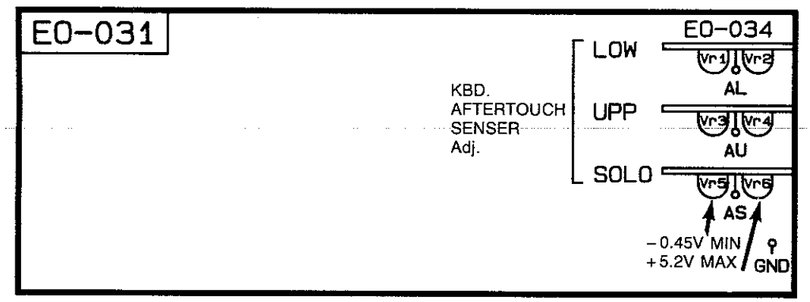


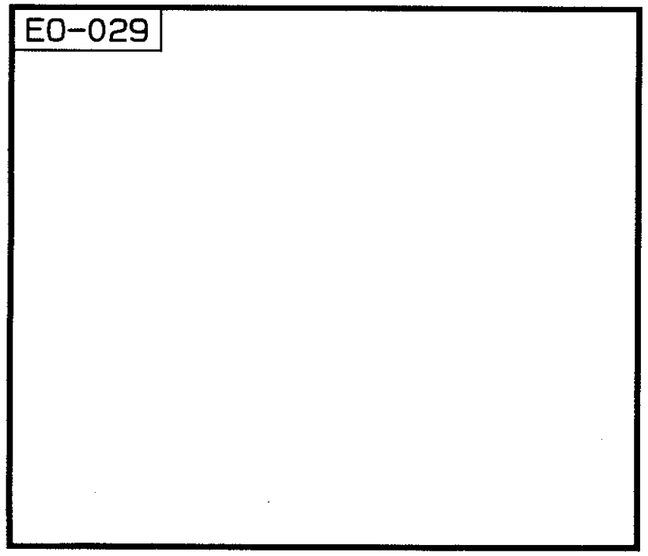
## 6. SR5-PCB LAYOUT

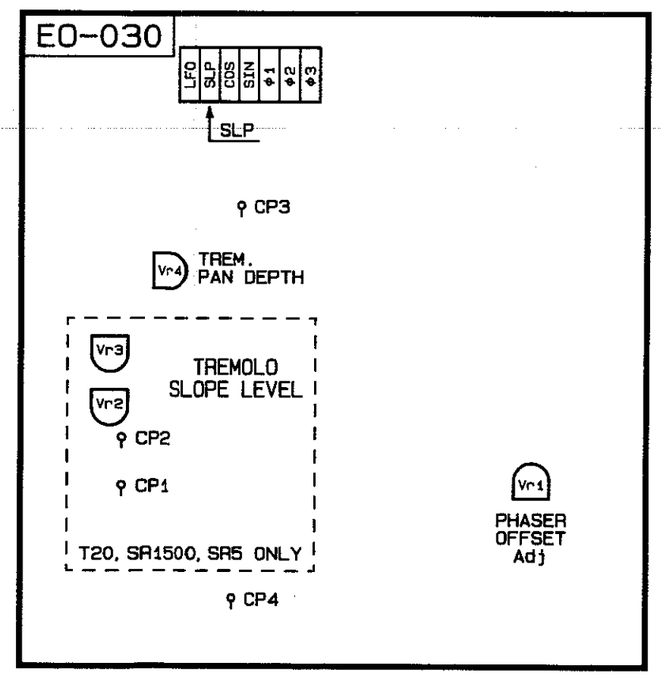


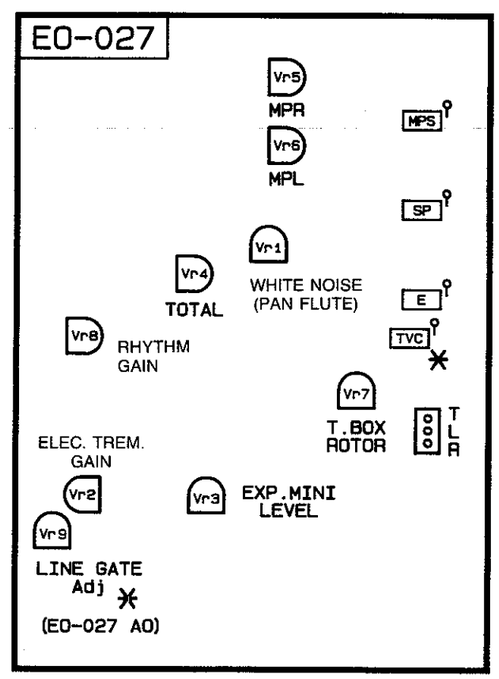
## 7. ADJUSTING POINTS

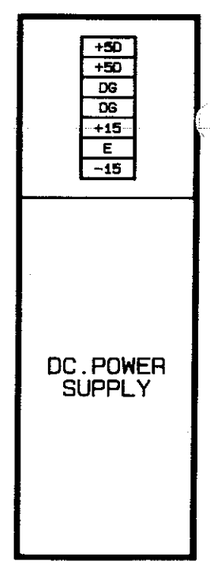


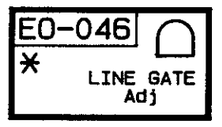



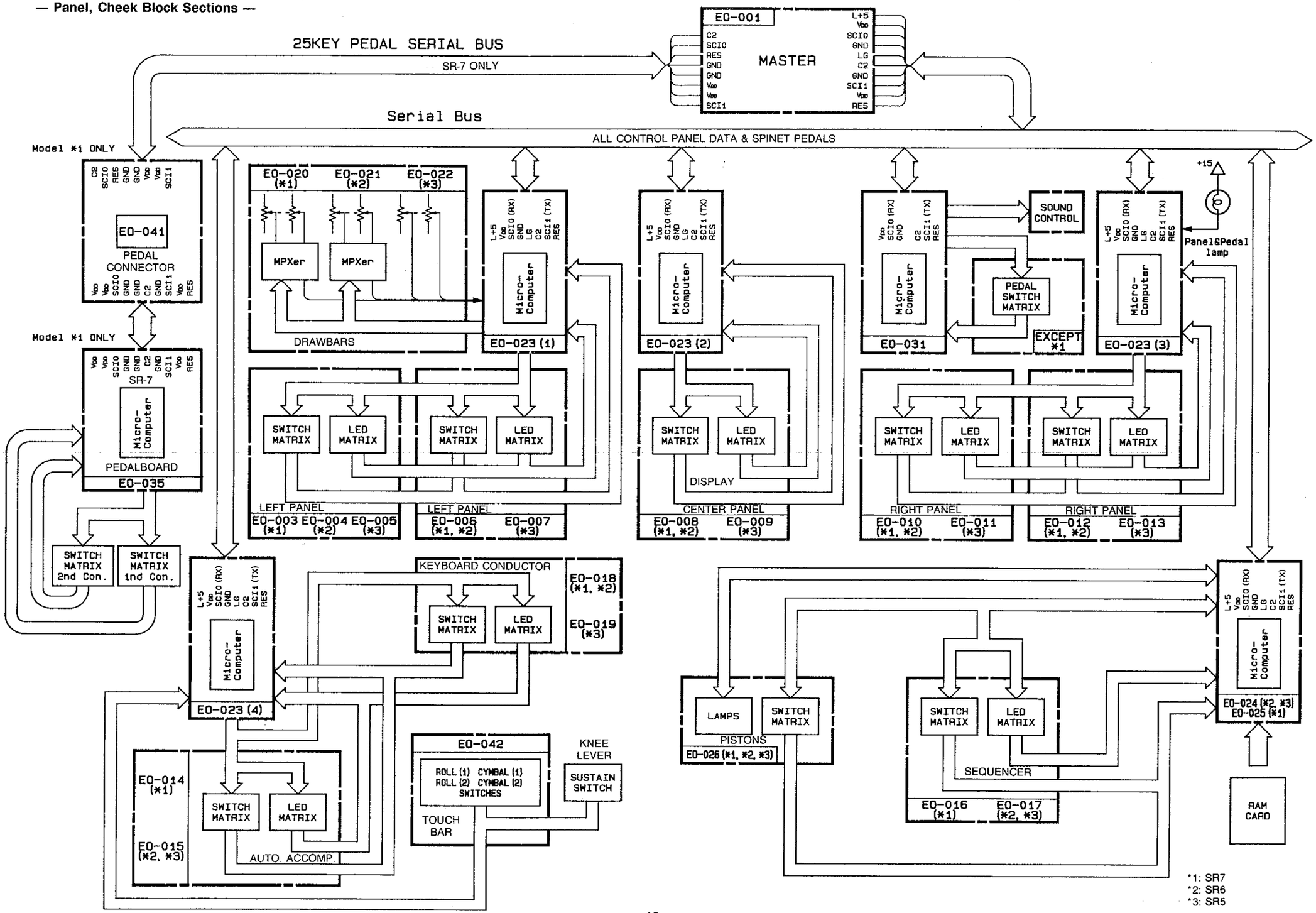



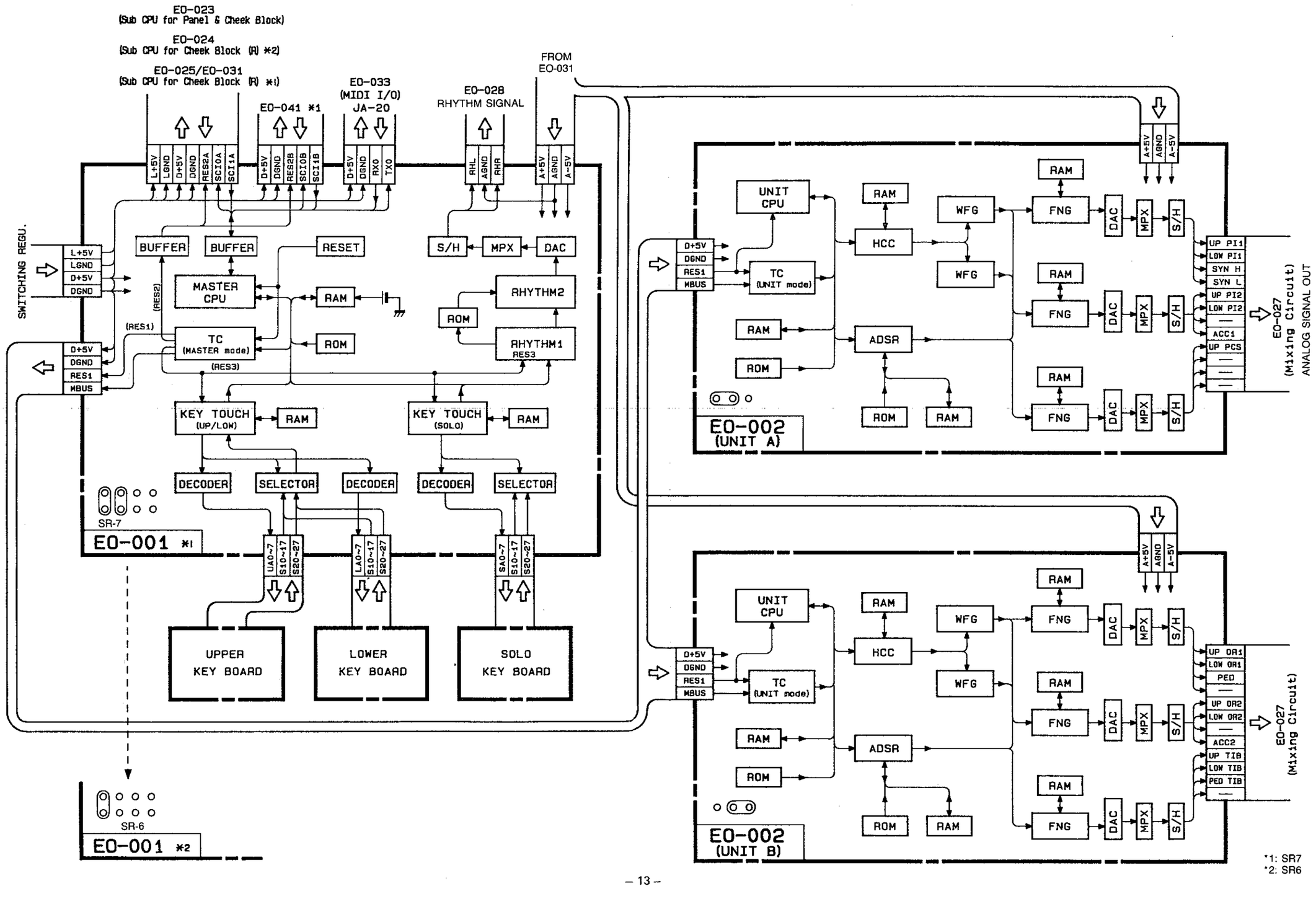




* EO-046 manufactured July, Aug. in '87 only.
After Sep. in '87, LINE GATE Adj. Vol. is Vr9 builted in EO-027 A0.

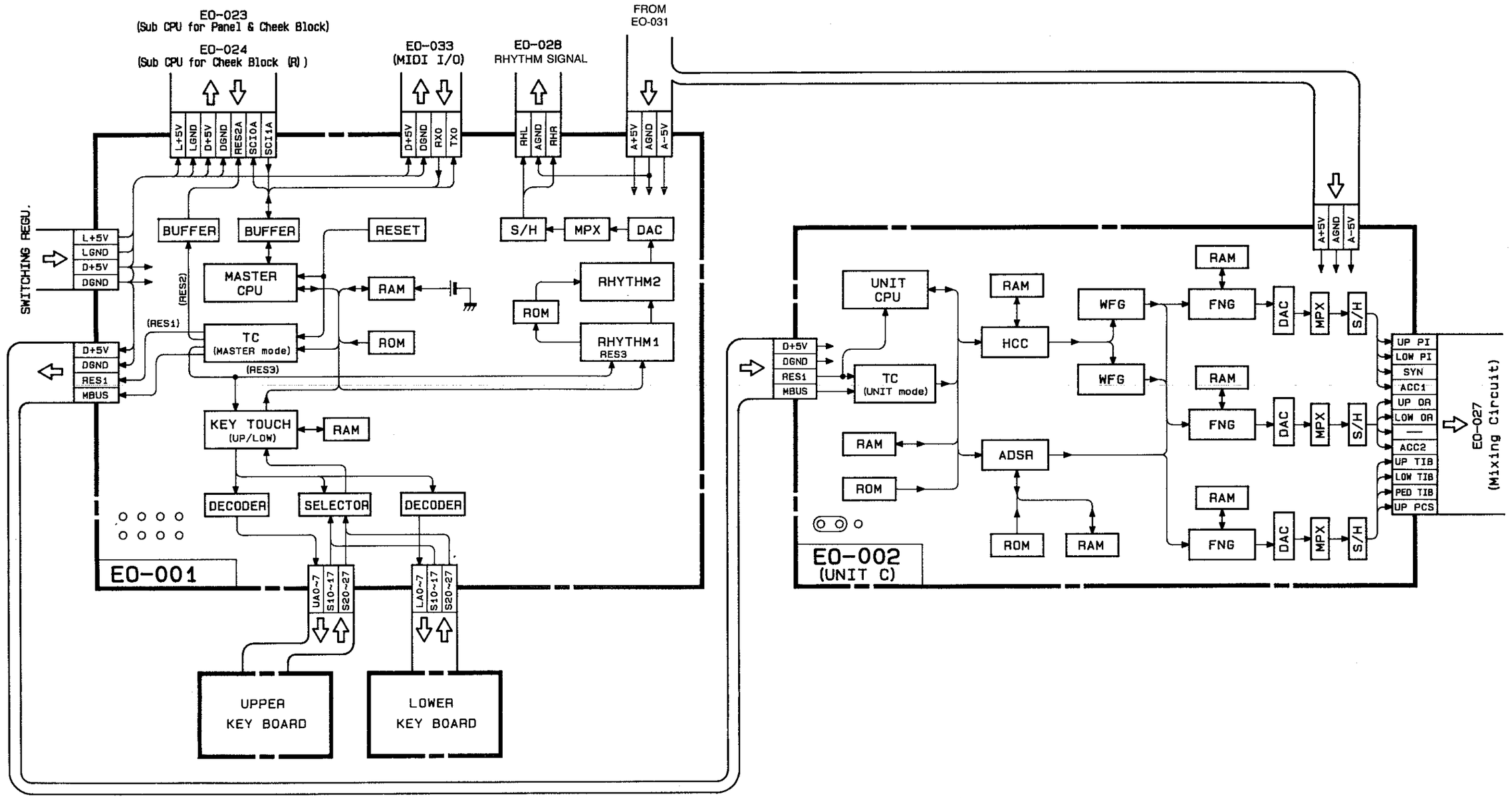
## 8. BLOCK DIAGRAM (Models SR7, SR6, SR5)
### — Panel, Cheek Block Sections —



## 9. BLOCK DIAGRAM (Models SR7, SR6)
### — Digital Section —

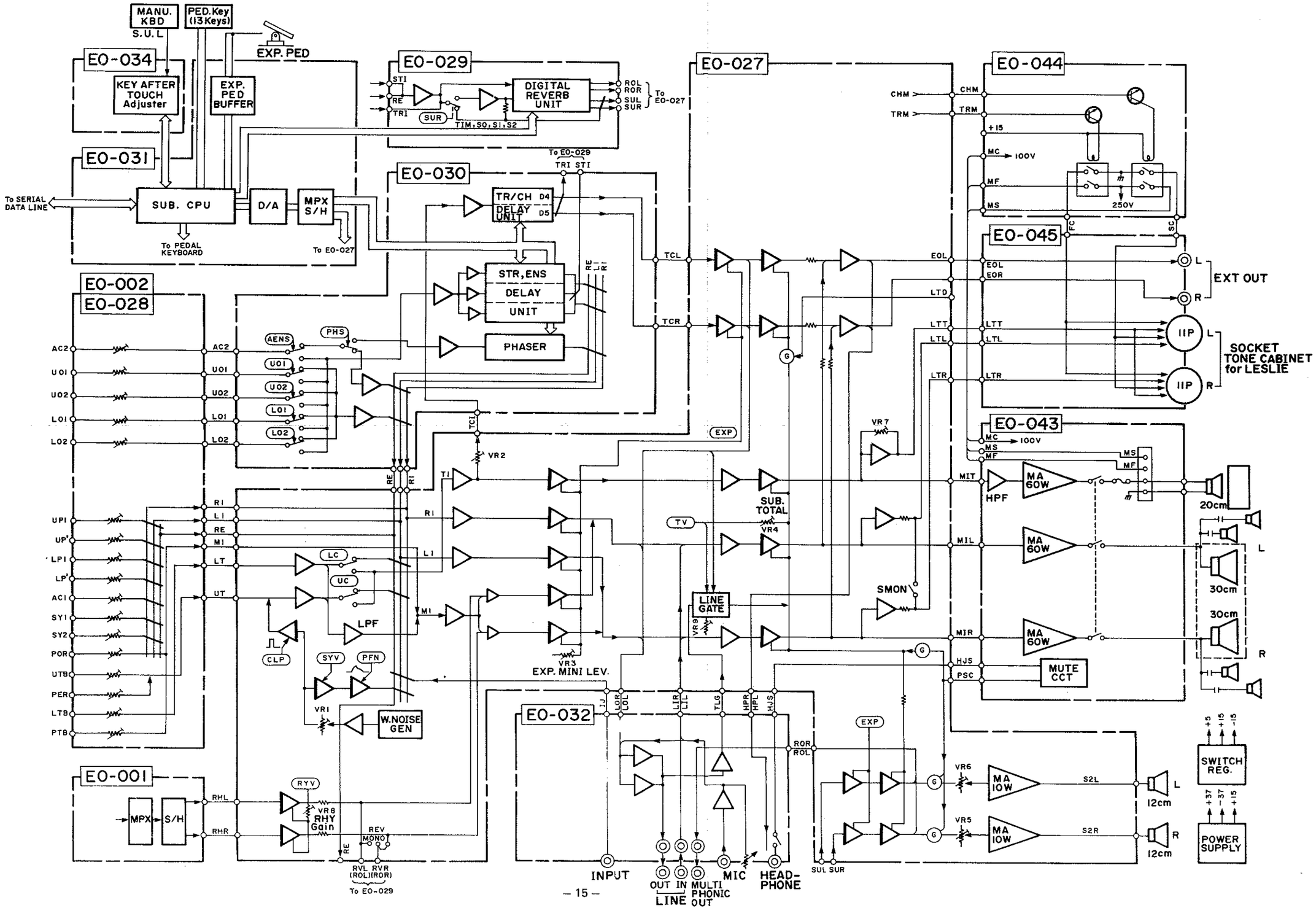


## 10. BLOCK DIAGRAM (Models SR5)
### — Digital Section —

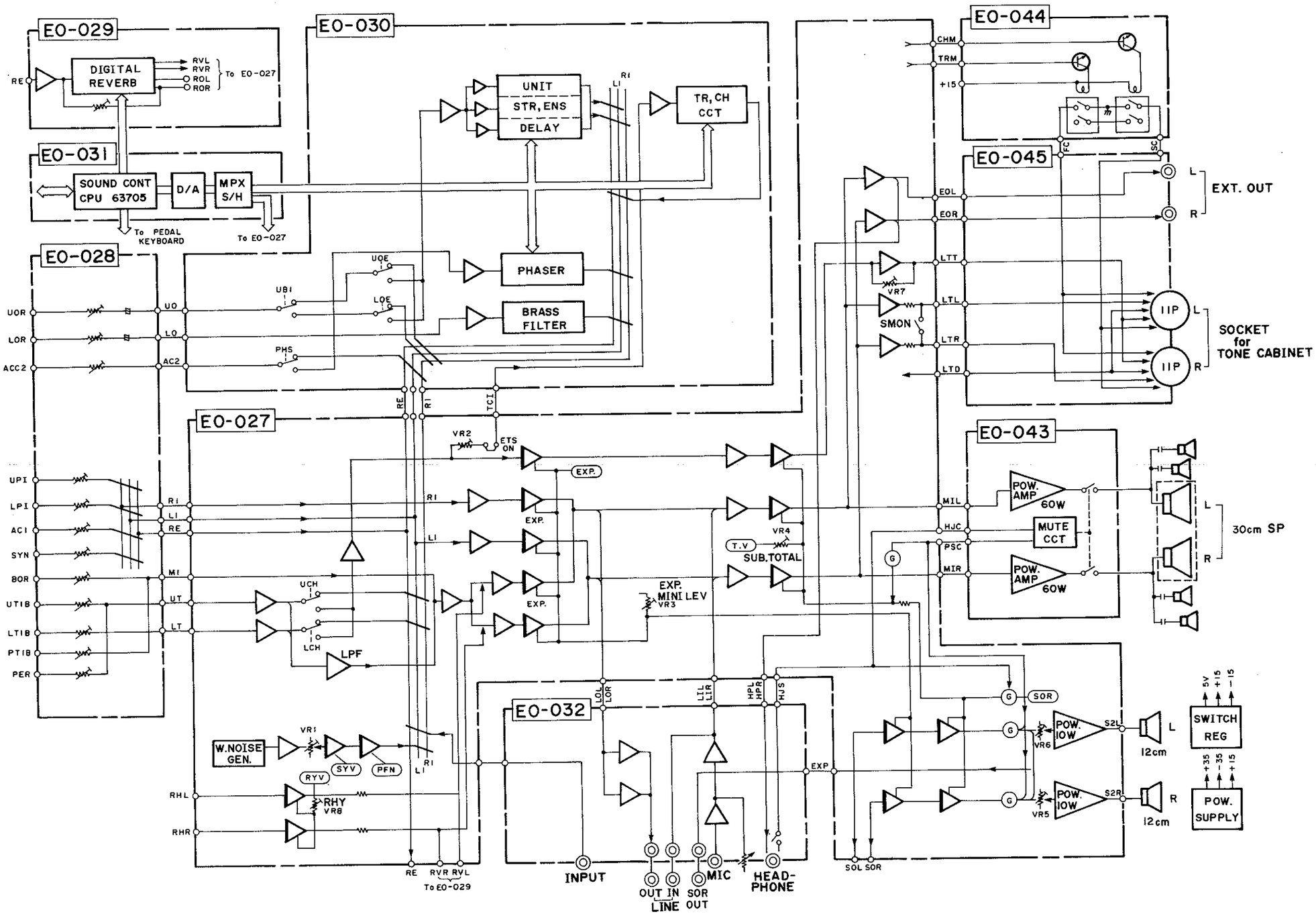


## 11. BLOCK DIAGRAM (Models SR7, SR6)

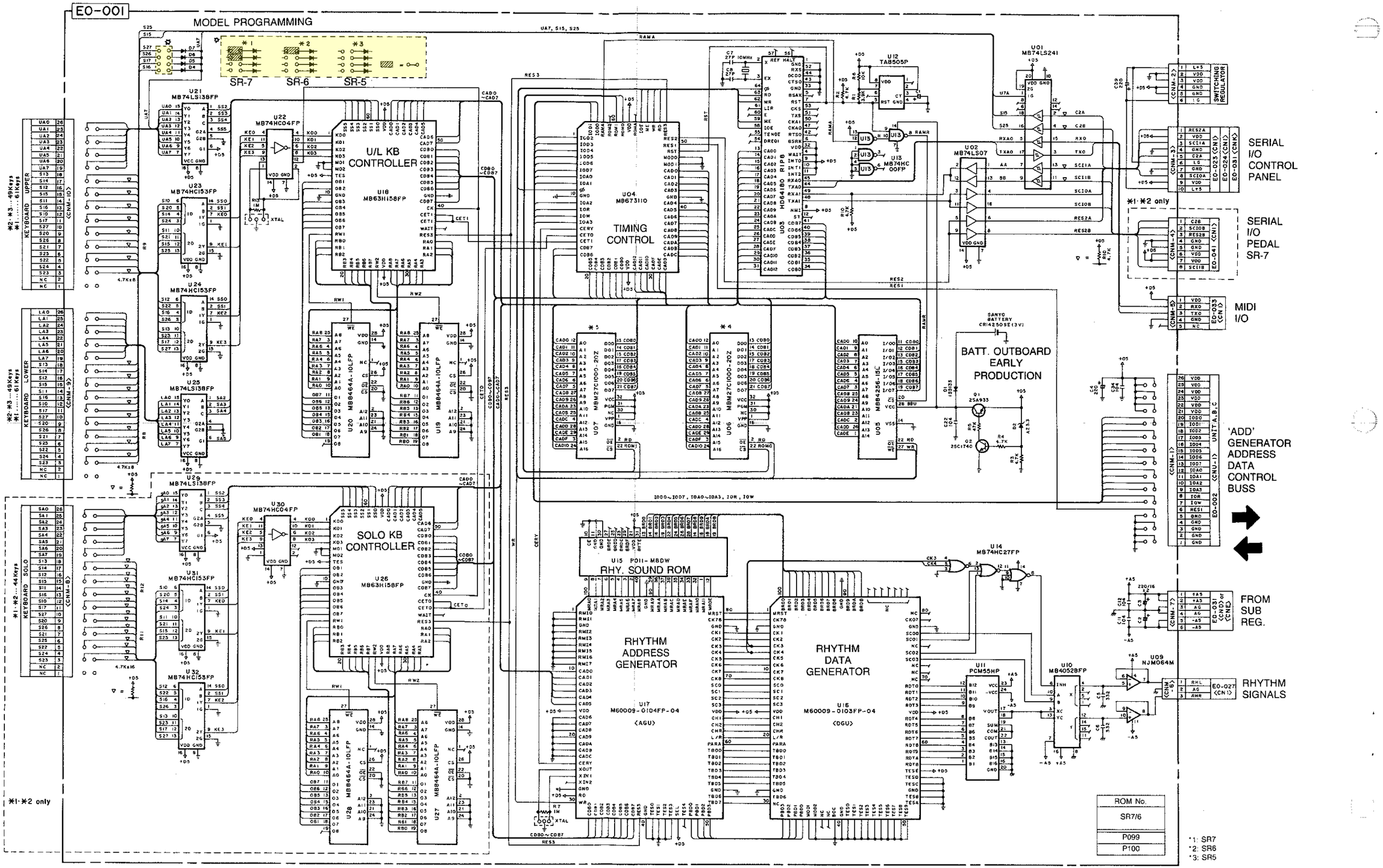
— Sound Section —



## 12. BLOCK DIAGRAM (Models SR5)
### — Sound Section —



## 13. EO-001 CIRCUIT MASTER CPU
## KEYBOARD CONTROLLER, RHYTHM



## 14. EO-001 PRINTED WIRING BOARD
## MASTER CPU, KEYBOARAD CONTROLLER, RHYTHM

SR7, SR6 . . . . . 44 Keys

KEYBOARD SOLO

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| | NC | NC | S23 | S24 | S22 | S25 | S21 | S26 | S20 | S27 | S17 | S10 | S16 | S11 | S15 | S12 | S14 | S13 | SA7 | SA6 | SA5 | SA4 | SA3 | SA2 | SA1 | SA0 |

<CNM-8>

SR7 . . . . . 61 Keys
SR6, SR5 . . . . . 49 Keys

KEYBOARD LOWER

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| | NC | NC | S23 | S24 | S22 | S25 | S21 | S26 | S20 | S27 | S17 | S10 | S16 | S11 | S15 | S12 | S14 | S13 | LA7 | LA6 | LA5 | LA4 | LA3 | LA2 | LA1 | LA0 |

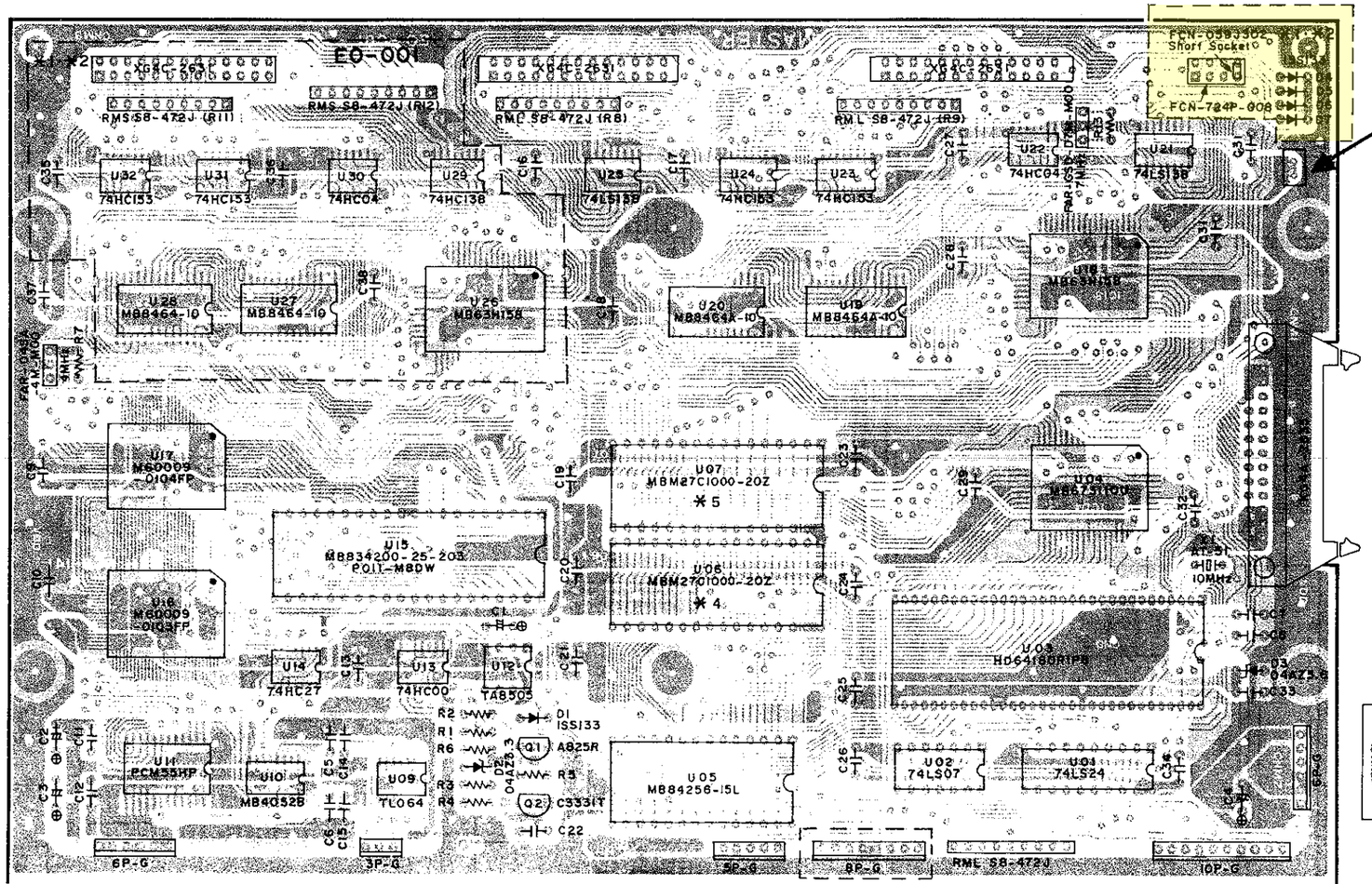
<CNM-9>

SR7 . . . . . 61 Keys
SR6, SR5 . . . . . 49 Keys

KEYBOARD UPPER

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| | NC | NC | S23 | S24 | S22 | S25 | S21 | S26 | S20 | S27 | S17 | S10 | S16 | S11 | S15 | S12 | S14 | S13 | UA7 | UA6 | UA5 | UA4 | UA3 | UA2 | UA1 | UA0 |

<CNM-10>




<CNM-1>

| | | |
|---|---|---|
| 1 | GND | |
| 2 | GND | |
| 3 | GND | |
| 4 | GND | |
| 5 | GND | |
| 6 | RES1 | |
| 7 | IOW | |
| 8 | IOR | |
| 9 | IOA3 | |
| 10 | IOA2 | |
| 11 | IOA1 | |
| 12 | IOA0 | |
| 13 | IOD7 | |
| 14 | IOD6 | |
| 15 | IOD5 | |
| 16 | IOD4 | |
| 17 | IOD3 | |
| 18 | IOD2 | |
| 19 | IOD1 | |
| 20 | IOD0 | |
| 21 | VDD | |
| 22 | VDD | |
| 23 | VDD | |
| 24 | VDD | |
| 25 | VDD | |
| 26 | VDD | |

EO-002 <CNU-1> UNIT A, B, C

<CNM-2>

| | | |
|---|---|---|
| 1 | L+5 | SWITCHING REGULATOR |
| 2 | VDD | |
| 3 | VDD | |
| 4 | GND | |
| 5 | GND | |
| 6 | LG | |

<CNM-7>

| | | | | | | |
|---|---|---|---|---|---|---|
| 6 | 5 | 4 | 3 | 2 | 1 | |
| -A5 | -A5 | AG | AG | +A5 | +A5 | |

EO-031 <CNO> or <CNE>

<CNM-6>

| | | |
|---|---|---|
| 3 | 2 | 1 |
| RHR | AG | RHL |

EO-027 <CN1>

<CNM-5>

| | | | | | |
|---|---|---|---|---|---|
| 5 | 4 | 3 | 2 | 1 | |
| NC | GND | TXO | RXO | VDD | |

EO-033 <CN1>

<CNM-4>

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
| SCIB | VDD | VDD | GND | GND | RES2B | SCIOB | C2B |

EO-041 <CN1>

<CNM-3>

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
| L+5 | VDD | SCIDA | GND | LG | C2A | GND | SCI1A | VDD | RES2A |

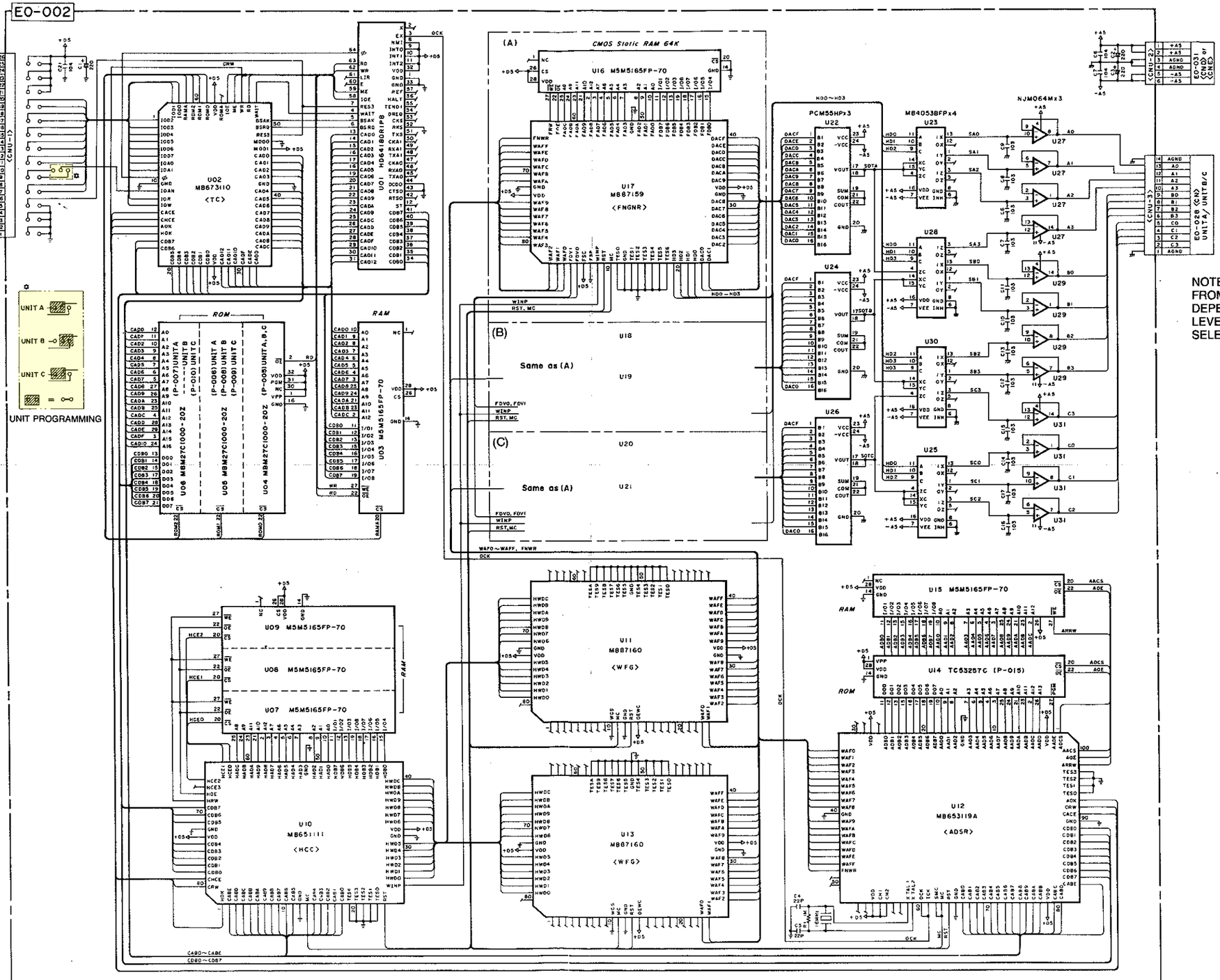
EO-023 <CN1>
EO-024 <CN1>
EO-031 <CNK>

| P.W.B. / Models | EO-001 (1) | (2) | (3) | (4) |
|---|---|---|---|---|
| SR7/6 | ○ | – | – | – |
| SR7/6(U.S.A.) | – | ○ | – | – |
| SR5 | – | – | ○ | – |
| SR5 (U.S.A.) | – | – | – | ○ |

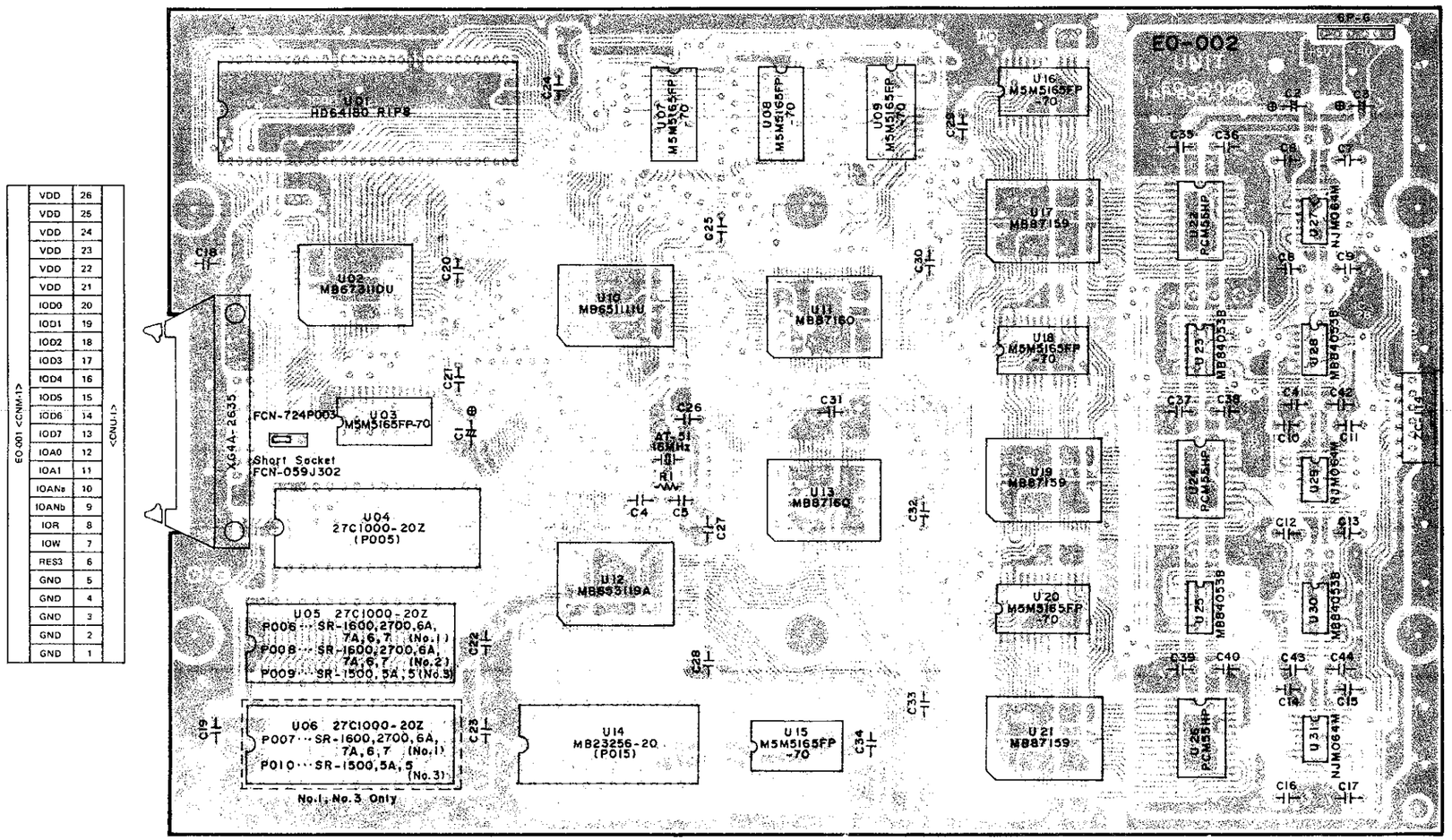
| ROM No. |
|---|
| SR7/6/5 |
| P099 |
| P100 |

*1·*2 =EO-001(1),EO-001(2) ONLY (SR7/6)

## 15. EO-002 CIRCUIT 'ADD' TONE GENERATOR



## 16. EO-002 PRINTED WIRING BOARD
## 'ADD' TONE GENERATOR




| | | | |
|---|---|---|---|
| VDD | 26 | 1 | +A5 |
| VDD | 25 | 2 | +A5 |
| VDD | 24 | 3 | AGND |
| VDD | 23 | 4 | AGND |
| VDD | 22 | 5 | −A5 |
| VDD | 21 | 6 | −A5 |
| IOD0 | 20 | | |
| IOD1 | 19 | | |
| IOD2 | 18 | | |
| IOD3 | 17 | | |
| IOD4 | 16 | | |
| IOD5 | 15 | | |
| IOD6 | 14 | | |
| IOD7 | 13 | | |
| IOA0 | 12 | | |
| IOA1 | 11 | | |
| IOANa | 10 | | |
| IOANb | 9 | | |
| IOR | 8 | | |
| IOW | 7 | | |
| RES3 | 6 | | |
| GND | 5 | | |
| GND | 4 | | |
| GND | 3 | | |
| GND | 2 | | |
| GND | 1 | | |

| | | | |
|---|---|---|---|
| 14 | AGND | 1 | AGND |
| 13 | A0 | 2 | C3 |
| 12 | A1 | 3 | C2 |
| 11 | A2 | 4 | C1 |
| 10 | A3 | 5 | C0 |
| 9 | B0 | 6 | B3 |
| 8 | B1 | 7 | B2 |
| 7 | B2 | 8 | B1 |
| 6 | B3 | 9 | B0 |
| 5 | C0 | 10 | A3 |
| 4 | C1 | 11 | A2 |
| 3 | C2 | 12 | A1 |
| 2 | C3 | 13 | A0 |
| 1 | AGND | 14 | AGND |

### SIGNAL INDEX

UNIT A

A0 UPPER PRESET INSTRUMENT 1
A1 LOWER PRESET INSTRUMENT 1
A2 SYNTHESIZER (H)
A3 SYNTHESIZER (L)
B0 UPPER PRESET INSTRUMENT 2
B1 LOWER PRESET INSTRUMENT 2
B2
B3 ACCOMP. ORCHESTRA I
C0
C1
C2
C3 PERCUS EFFECT

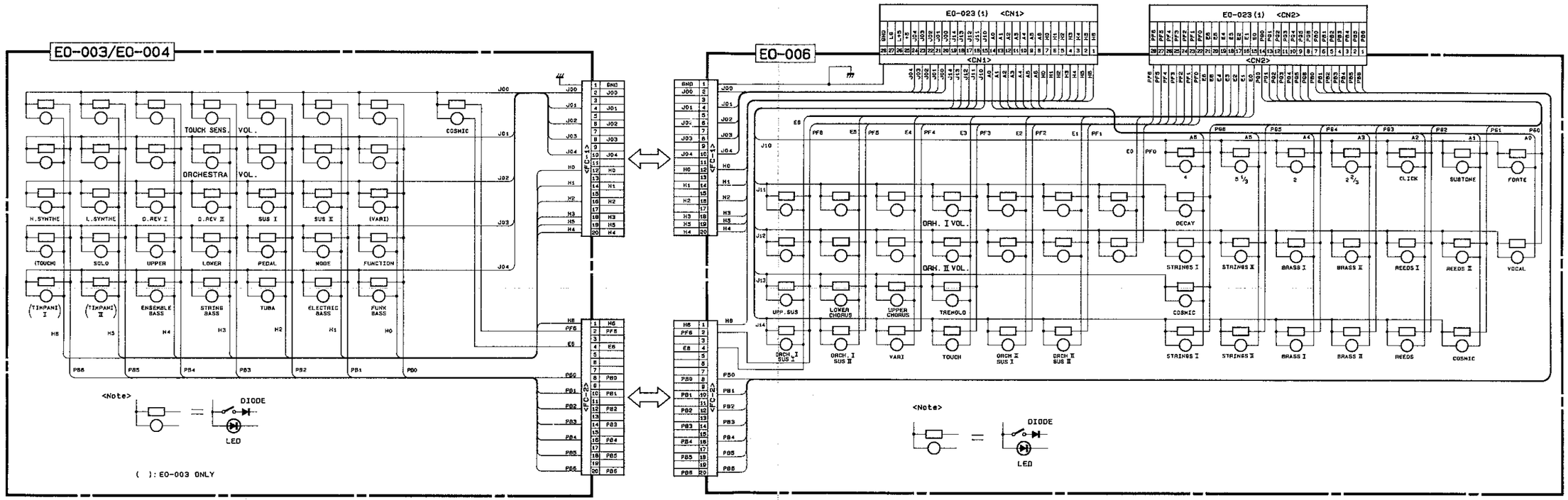
UNIT B

A0 UPPER ORCHESTRA I
A1 LOWER LOAD ORCHESTRA I
A2 PEDAL ORCHESTRA
A3
B0 UPPER ORCHESTRA II
B1 LOWER ORCHESTRA II
B2
B3 ACCOMP. ORCHESTRA II
C0 UPPER TIBIAS } DRAWBARS
C1 LOWER TIBIAS }
C2 PEDAL TIBIAS }
C3

UNIT C

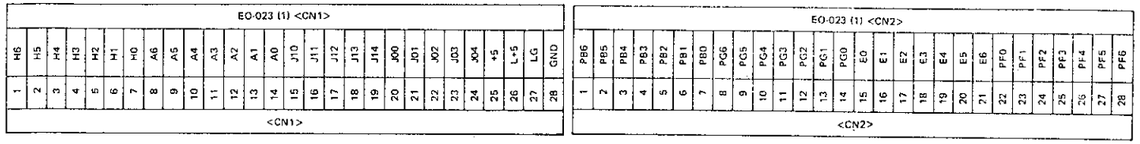
A0 UPPER PRESET INSTRUMENT
A1 LOWER PRESET INSTRUMENT
A2 SYNTHESIZER
A3 ACCOMP. ORCHESTRA I
B0 UPPER ORCHESTRA
B1 LOWER ORCHESTRA
B2 PEDAL ORCHESTRA
B3 ACCOMP. ORCHESTRA II
C0 UPPER TIBIAS } DRAWBARS
C1 LOWER TIBIAS }
C2 PEDAL TIBIAS }
C3 PERCUS EFFECT

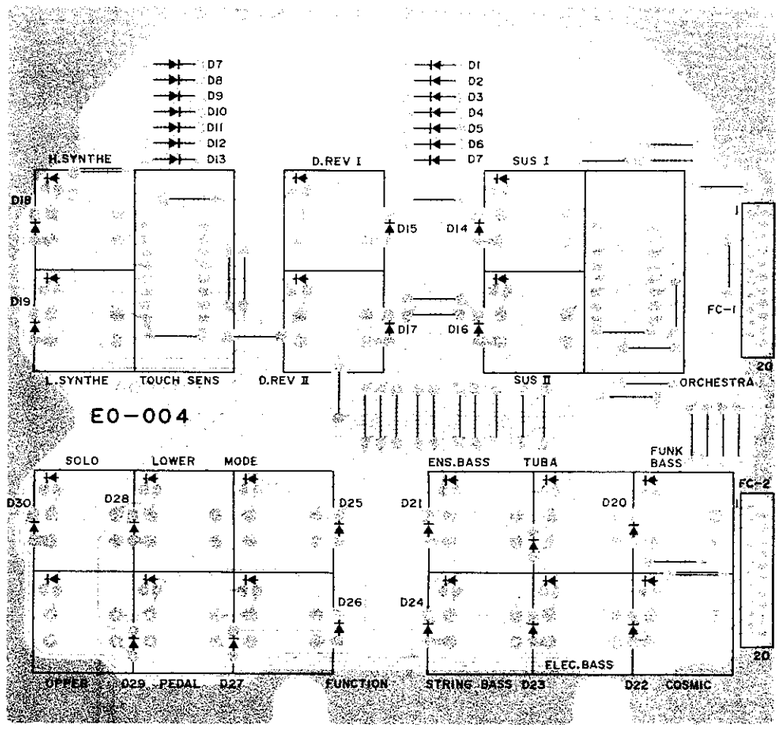
## 17. EO-003,EO-004, EO-006 CIRCUITS - SR-6, SR-7 CONTROL PANEL (LEFT SECTION)



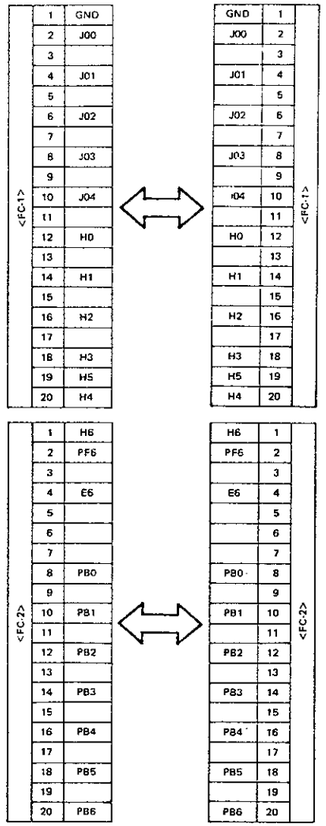

P.W.B EO-003: • SR7
P.W.B EO-004: • SR6

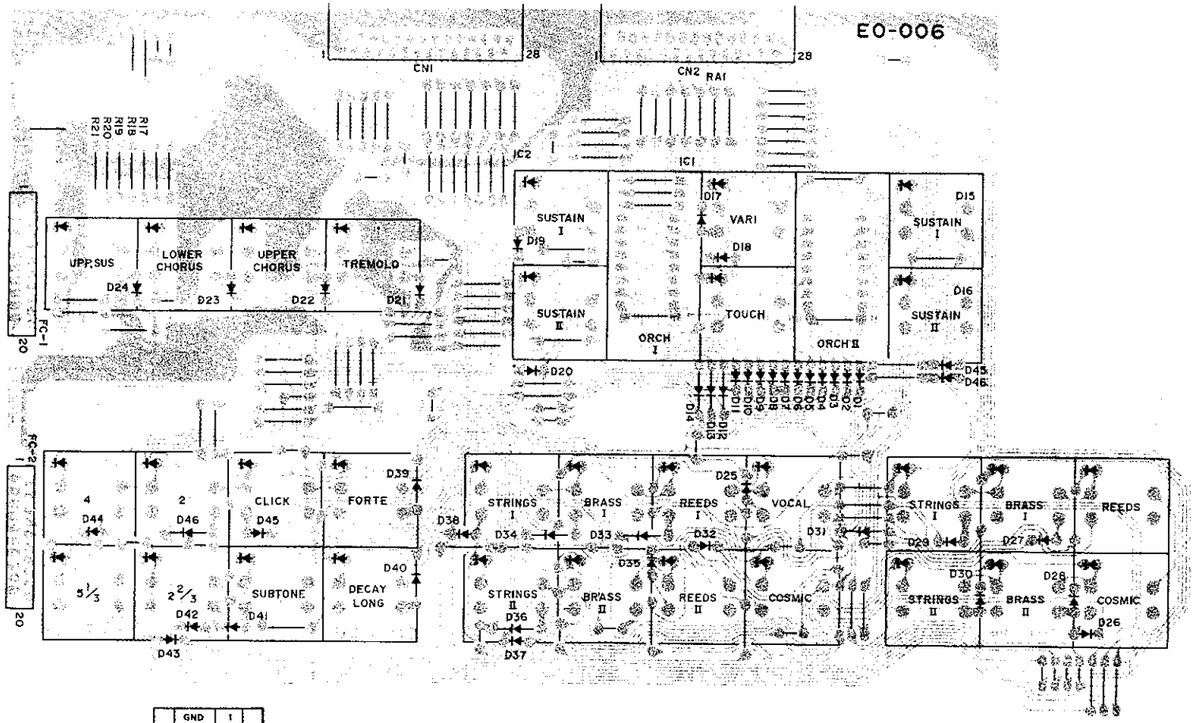
## 18. EO-003, EO-004, EO-006 PRINTED WIRING BOARDS - SR-6, SR-7 CONTROL PANEL (LEFT SECTION)



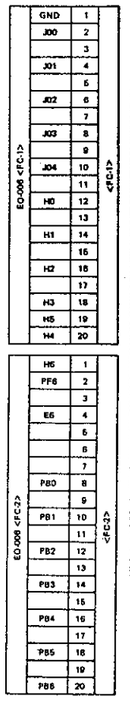



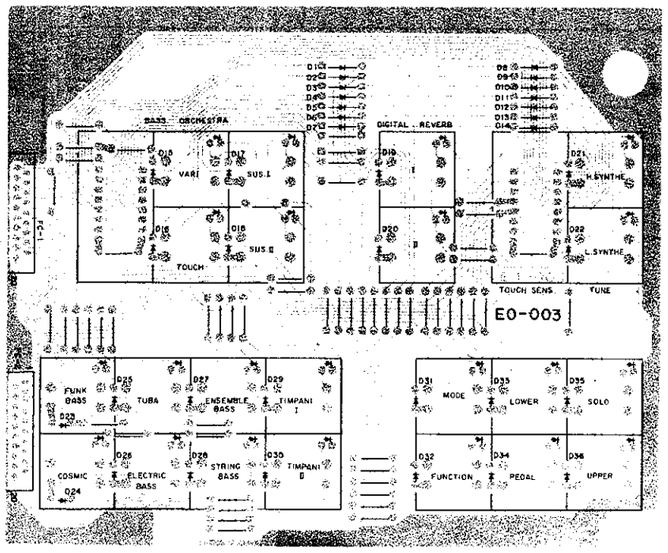

EO-004



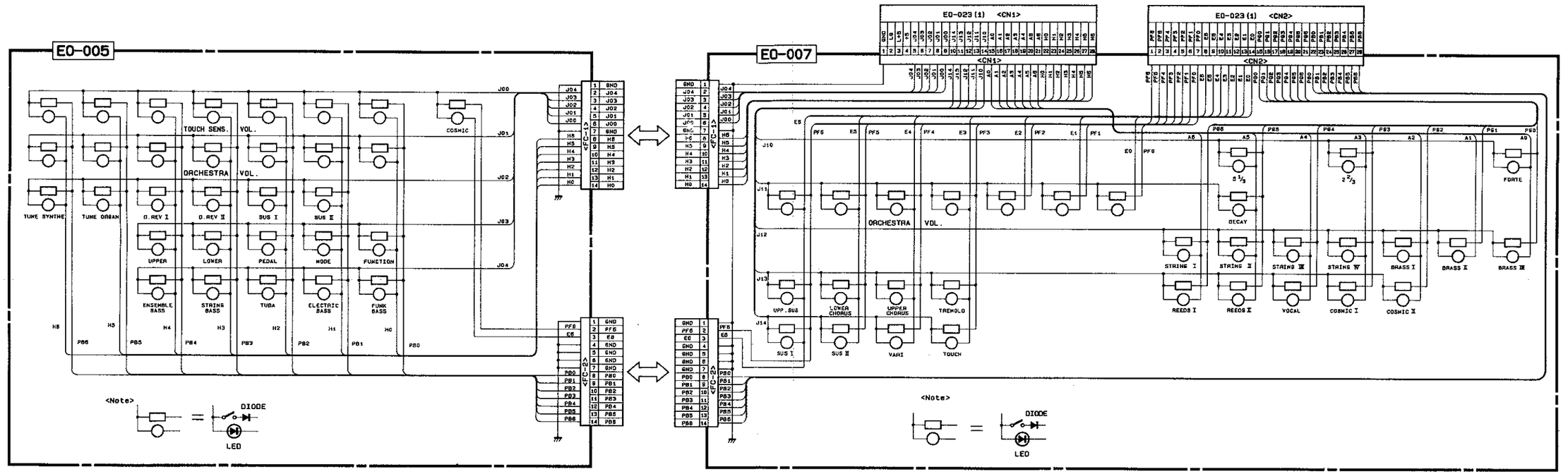

EO-006



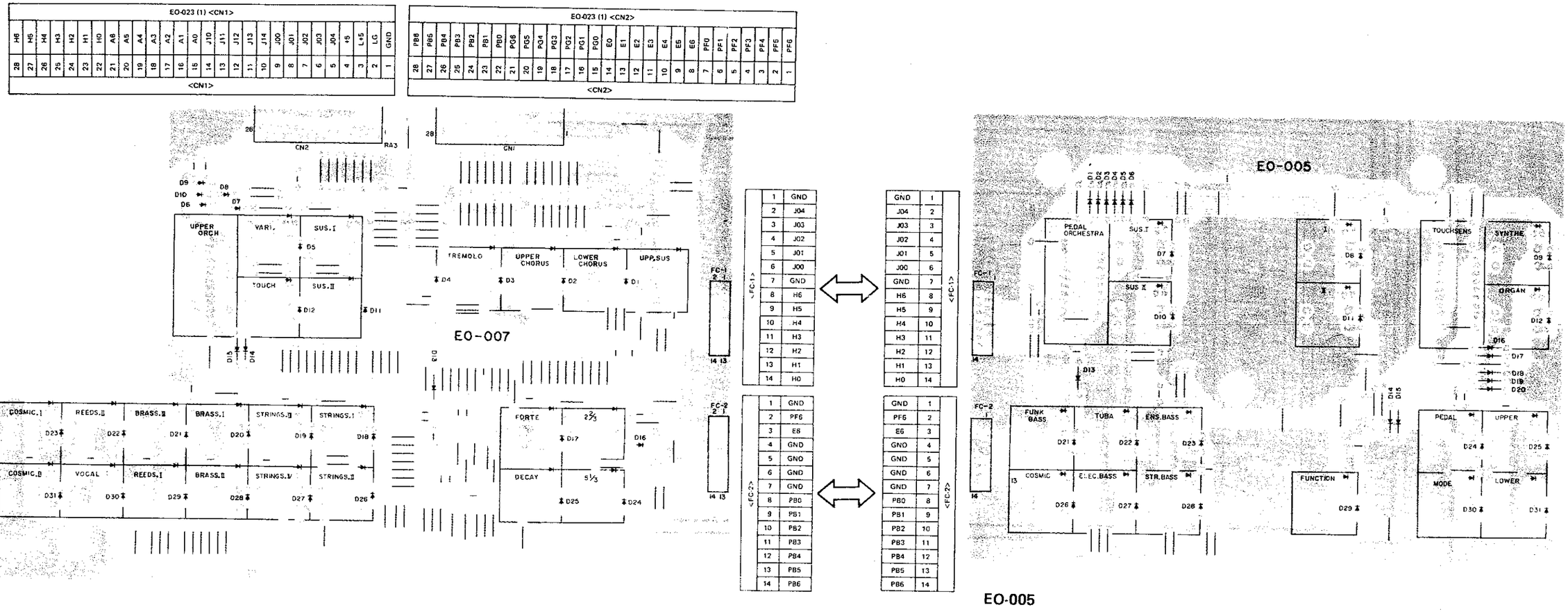




EO-003

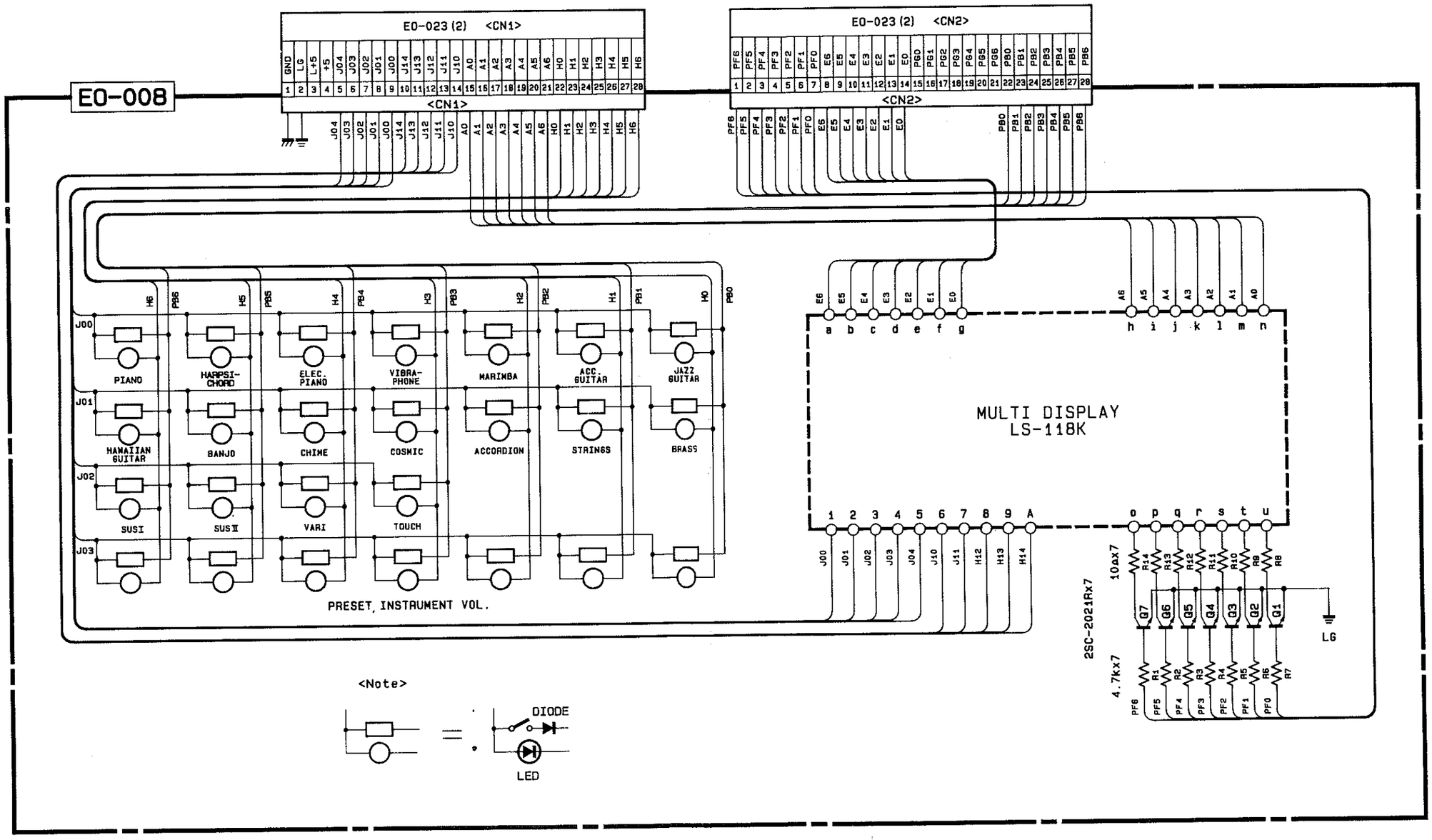
## 19. EO-005, EO-007 CIRCUITS SR-5 CONTROL PANEL (LEFT SECTION)



## 20. EO-005, EO-007 PRINTED WIRING BOARDS
## SR-5 CONTROL PANEL
## (LEFT SECTION)



21. EO-008 CIRCUIT
SR-6, SR-7 CONTROL PANEL
(DISPLAY SECTION)



## 22. EO-008 PRINTED WIRING BOARADS
## SR-6, SR-7 CONTROL PANEL
## (DISPLAY SECTION)

EO-023 (1) <CN1>

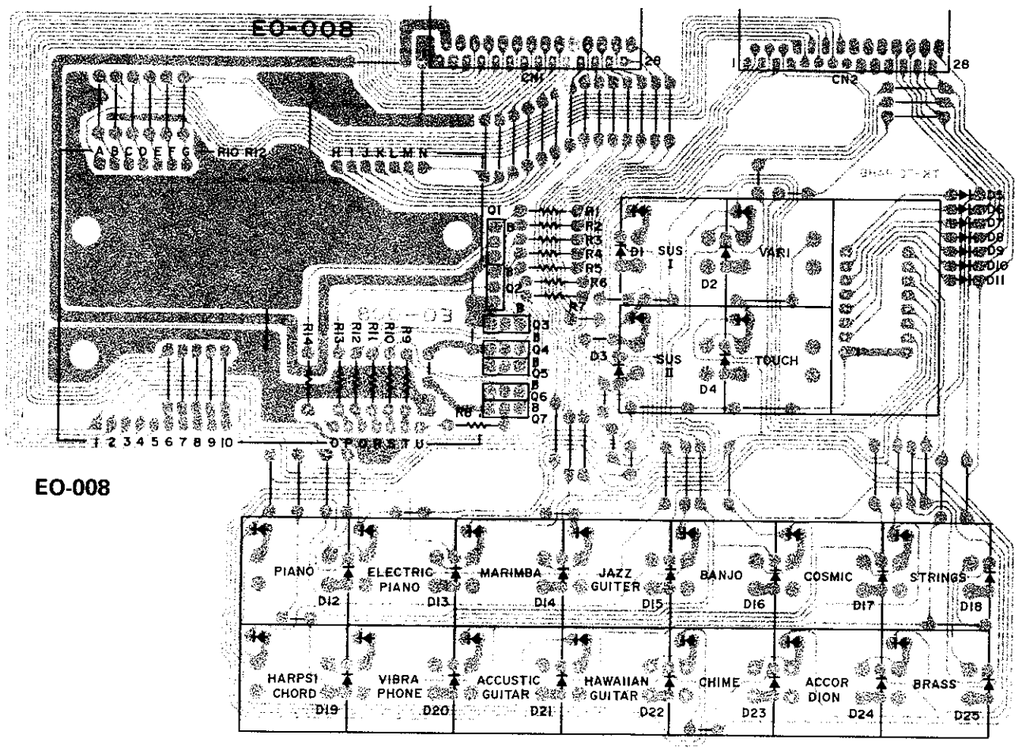
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | GND | LG | L+5 | +5 | J04 | J03 | J02 | J01 | J00 | J14 | J13 | J12 | J11 | J10 | A0 | A1 | A2 | A3 | A4 | A5 | A6 | H0 | H1 | H2 | H3 | H4 | H5 | H6 |
| | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | |

<CN1>

EO-023 (1) <CN2>

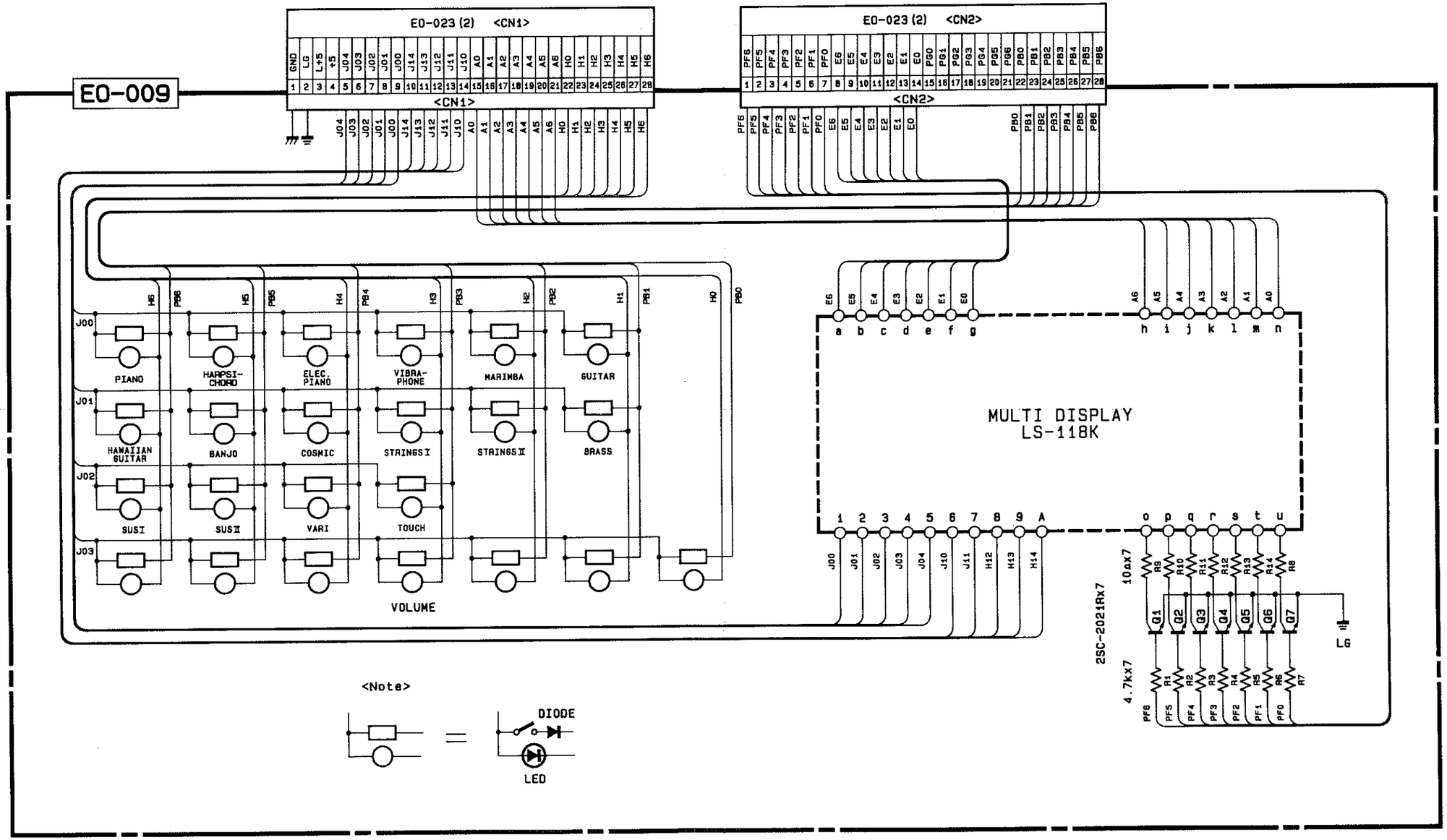
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | PF6 | PF5 | PF4 | PF3 | PF2 | PF1 | PF0 | E6 | E5 | E4 | E3 | E2 | E1 | E0 | PG0 | PG1 | PG2 | PG3 | PG4 | PG5 | PG6 | PB0 | PB1 | PB2 | PB3 | PB4 | PB5 | PB6 |
| | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | |

<CN2>

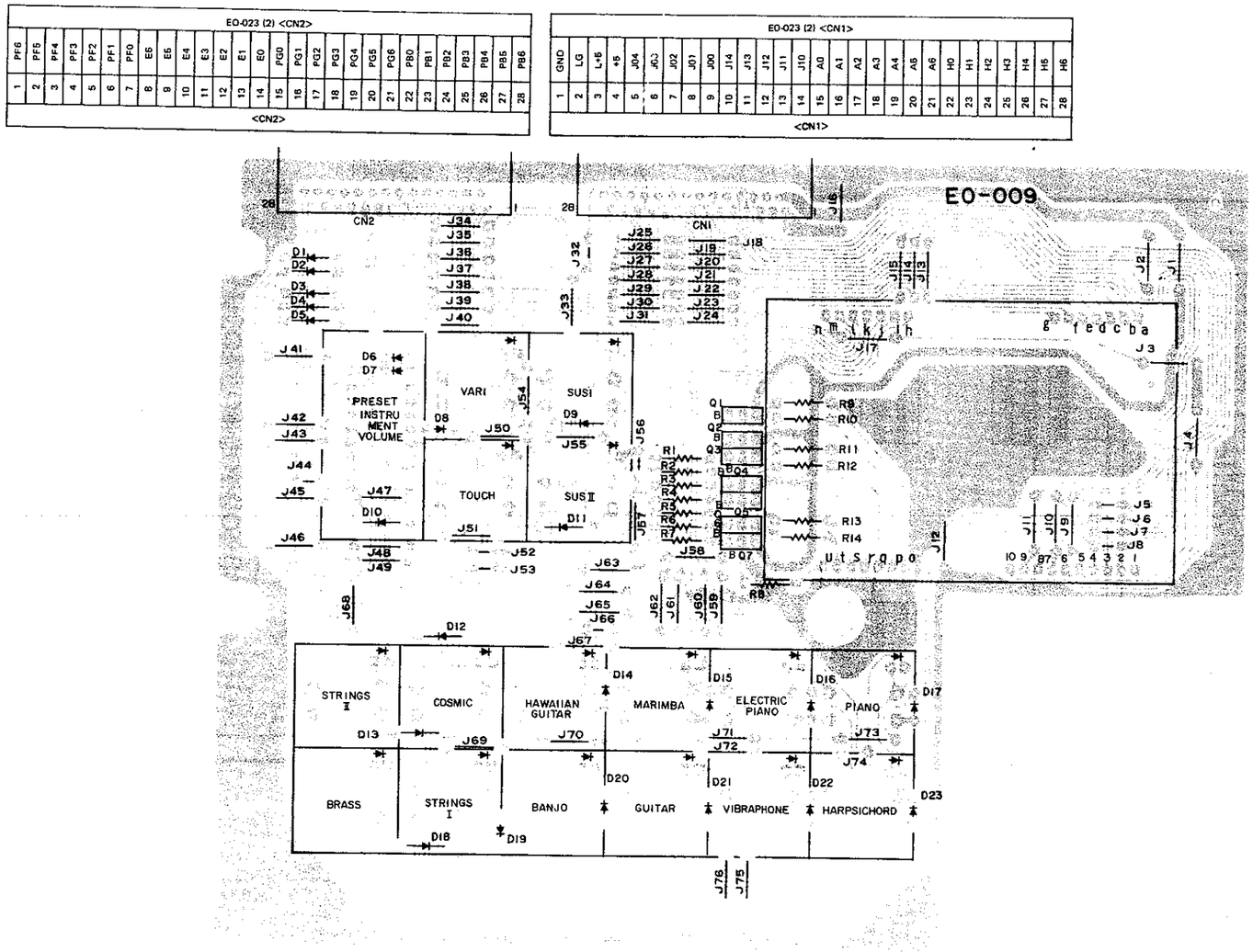



EO-008

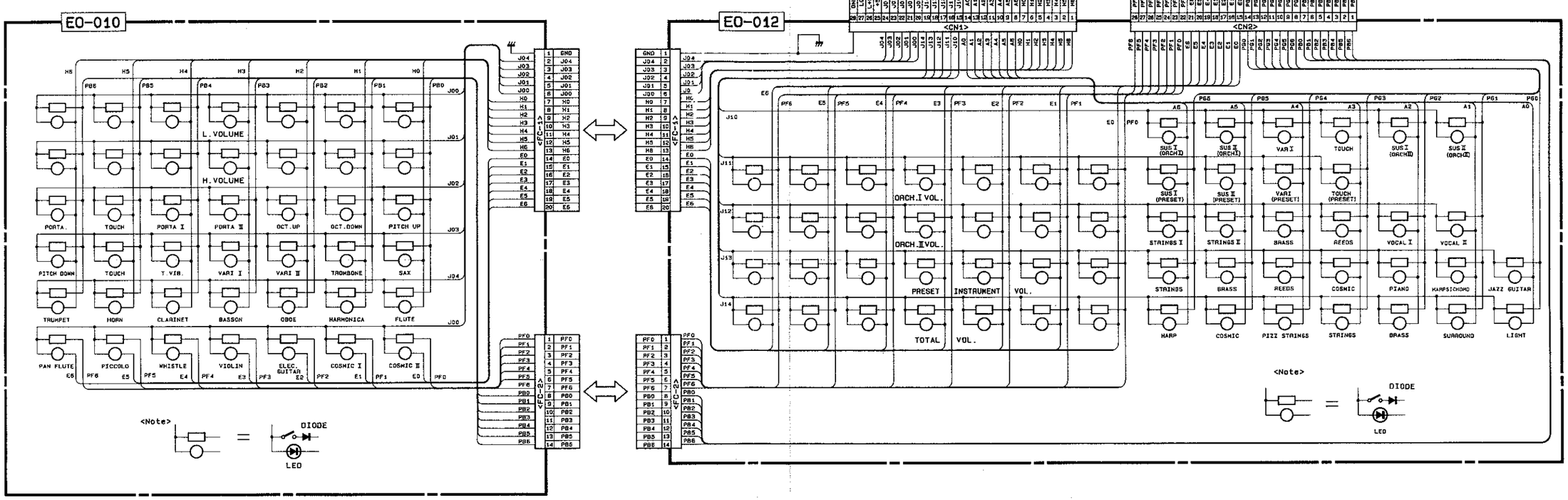
## 23. EO-009 CIRCUIT
## SR-5 CONTROL PANEL
## (DISPLAY SECTION)



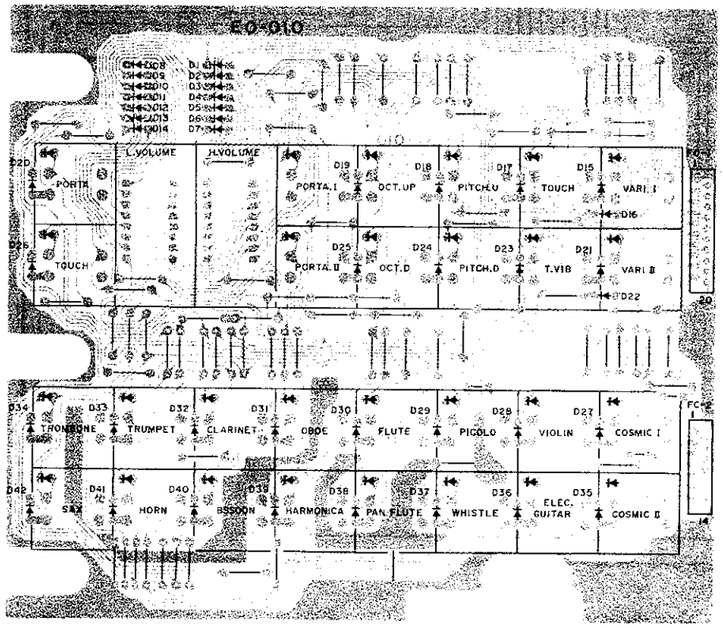
## 24. EO-009 PRINTED WIRING BOARD
## SR-5 CONTROL PANEL
## (DISPLAY SECTION)



## 25. EO-010, EO-012 CIRCUITS
## SR-6, SR-7 CONTROL PANEL
## (RIGHT SECTION)



## 26. EO-010, EO-012 PRINTED WIRING BOARDS
## SR-6, SR7 CONTROL PANEL
## (RIGHT SECTION)




EO-010

| <FC-1> | | | <FC-1> |
|---|---|---|---|
| 1 | GND | GND | 1 |
| 2 | J04 | J04 | 2 |
| 3 | J03 | J03 | 3 |
| 4 | J02 | J02 | 4 |
| 5 | J01 | J01 | 5 |
| 6 | J00 | J00 | 6 |
| 7 | H0 | H0 | 7 |
| 8 | H1 | H1 | 8 |
| 9 | H2 | H2 | 9 |
| 10 | H3 | H3 | 10 |
| 11 | H4 | H4 | 11 |
| 12 | H5 | H5 | 12 |
| 13 | H6 | H6 | 13 |
| 14 | E0 | E0 | 14 |
| 15 | E1 | E1 | 15 |
| 16 | E2 | E2 | 16 |
| 17 | E3 | E3 | 17 |
| 18 | E4 | E4 | 18 |
| 19 | E5 | E5 | 19 |
| 20 | E6 | E6 | 20 |

| <FC-2> | | | <FC-2> |
|---|---|---|---|
| 1 | PF0 | PF0 | 1 |
| 2 | PF1 | PF1 | 2 |
| 3 | PF2 | PF2 | 3 |
| 4 | PF3 | PF3 | 4 |
| 5 | PF4 | PF4 | 5 |
| 6 | PF5 | PF5 | 6 |
| 7 | PF6 | PF6 | 7 |
| 8 | PB0 | PB0 | 8 |
| 9 | PB1 | PB1 | 9 |
| 10 | PB2 | PB2 | 10 |
| 11 | PB3 | PB3 | 11 |
| 12 | PB4 | PB4 | 12 |
| 13 | PB5 | PB5 | 13 |
| 14 | PB6 | PB6 | 14 |

EO-023 (3) <CN1>

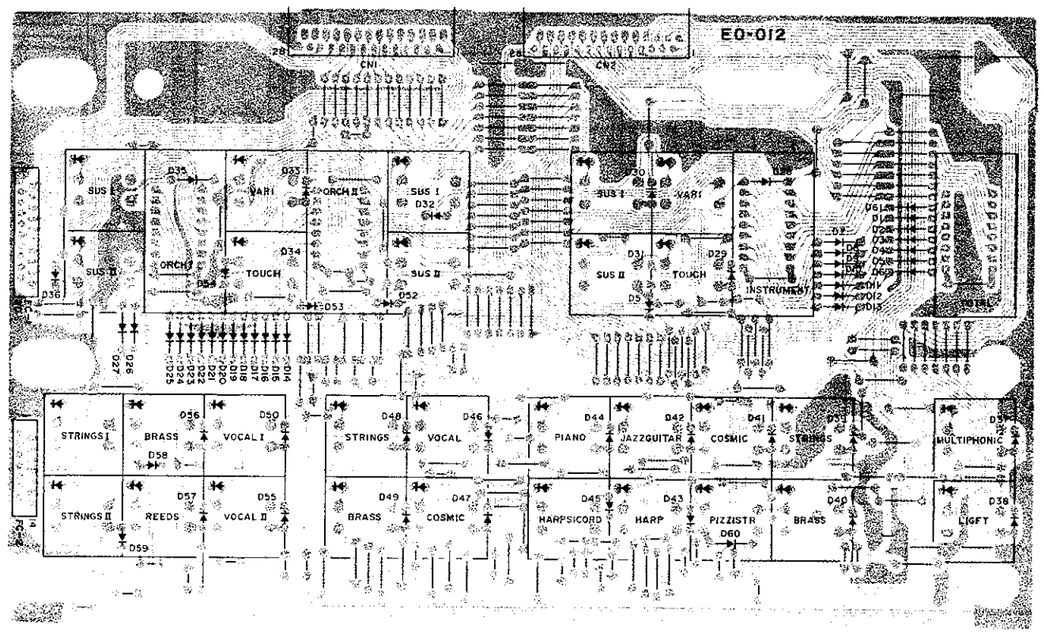
| 28 | 27 | 26 | 25 | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GND | LG | L+5 | +5 | J04 | J03 | J02 | J01 | J00 | J14 | J13 | J12 | J11 | J10 | A0 | A1 | A2 | A3 | A4 | A5 | A6 | H0 | H1 | H2 | H3 | H4 | H5 | H6 |

<CN1>

EO-023 (3) <CN2>

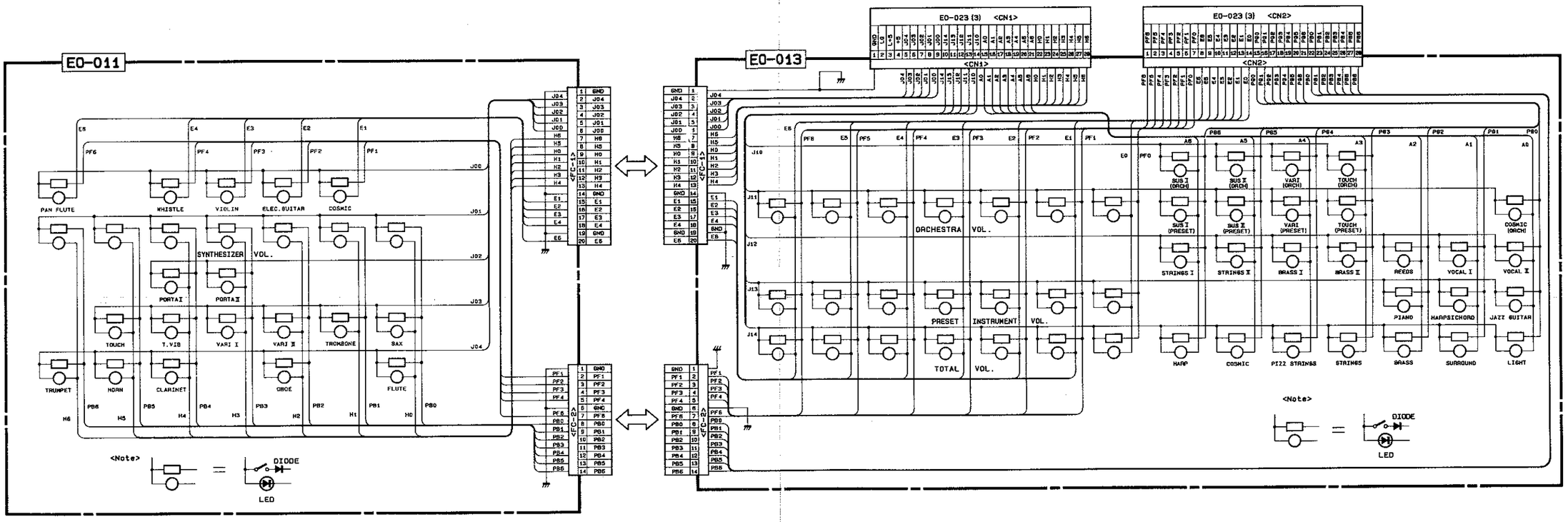
| 28 | 27 | 26 | 25 | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PF6 | PF5 | PF4 | PF3 | PF2 | PF1 | PF0 | E6 | E5 | E4 | E3 | E2 | E1 | E0 | PG0 | PG1 | PG2 | PG3 | PG4 | PG5 | PG6 | PB0 | PB1 | PB2 | PB3 | PB4 | PB5 | PB6 |

<CN2>




EO-012

## 27. EO-011, EO-013 CIRCUITS — SR-5 CONTROL PANEL (RIGHT SECTION)



4. **EO-001 PRINTED WIRING BOARD**
**MASTER CPU, KEYBOARAD CONTROLLER,**
**RHYTHM 28, EO-011, EO-013**

**PRINTED WIRING BOARDS**
**SR-5 CONTROL PANEL**
**(RIGHT SECTION)**

SR7, SR6 . . . . . 61 Keys
SR5 . . . . . 49 Keys

KEYBOARD SOLO

| | NC | NC | S23 | S24 | S22 | S25 | S21 | S26 | S20 | S27 | S17 | S10 | S16 | S11 | S15 | S12 | S14 | S13 | SA7 | SA6 | SA5 | SA4 | SA3 | SA2 | SA1 | SA0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 |

<CNM-8>

SR7 . . . . . 61 Keys
SR6, SR5 . . . . . 49 Keys

KEYBOARD LOWER

| | NC | NC | S23 | S24 | S22 | S25 | S21 | S26 | S20 | S27 | S17 | S10 | S16 | S11 | S15 | S12 | S14 | S13 | LA7 | LA6 | LA5 | LA4 | LA3 | LA2 | LA1 | LA0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 |

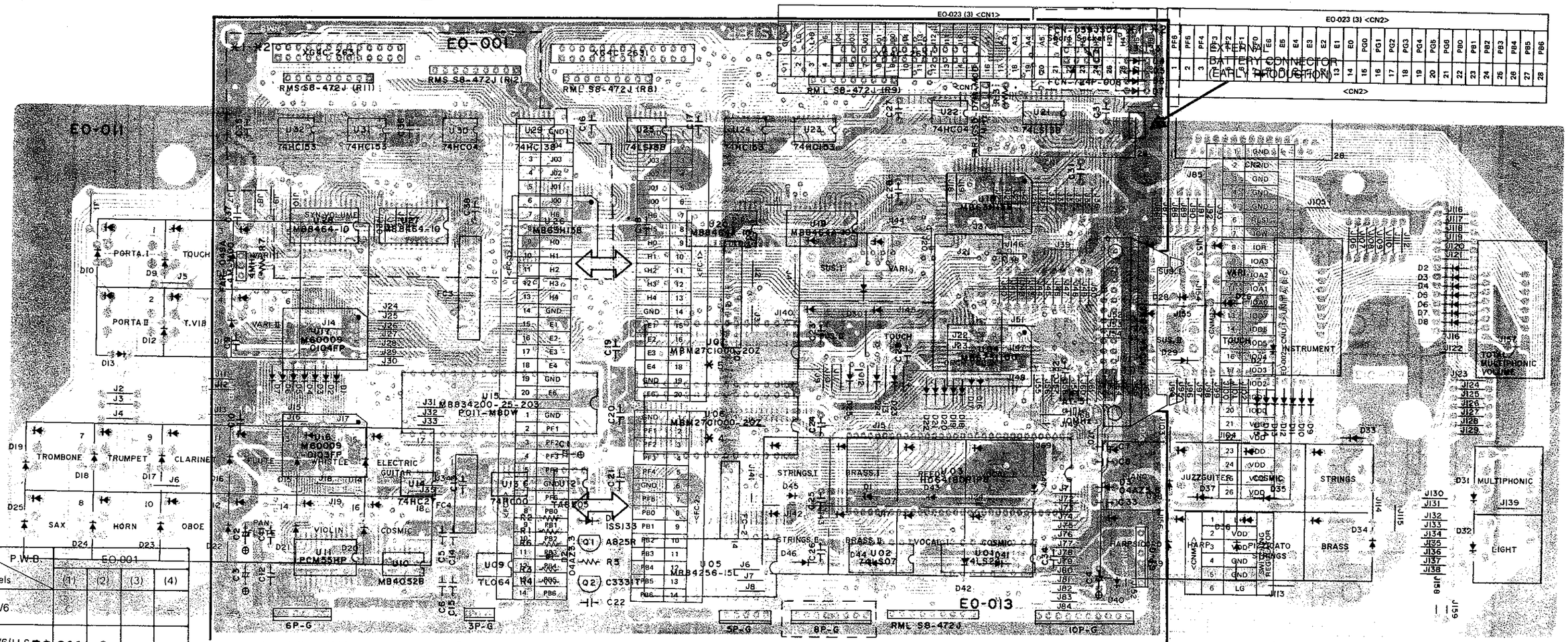
<CNM-9>

SR7 . . . . . 61 Keys
SR6, SR5 . . . . . 49 Keys

KEYBOARD UPPER

| | NC | NC | S23 | S24 | S22 | S25 | S21 | S26 | S20 | S27 | S17 | S10 | S16 | S11 | S15 | S12 | S14 | S13 | UA7 | UA6 | UA5 | UA4 | UA3 | UA2 | UA1 | UA0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 |

<CNM-10>




| P.W.B. \ Models | EO-001 (1) | EO-001 (2) | EO-001 (3) | EO-001 (4) |
|---|---|---|---|---|
| SR7/6 | ○ | – | – | – |
| SR7/6(U.S.A.) | – | ○ | – | – |
| SR5 | – | – | ○ | – |
| SR5 (U.S.A.) | – | – | – | ○ |

<CNM-7>

| 6 | 5 | 4 | 3 | 2 | 1 |
|---|---|---|---|---|---|
| –A5 | –A5 | AG | AG | +A5 | +A5 |

EO-031 <CND> or <CNE>

<CNM-6>

| 3 | 2 | 1 |
|---|---|---|
| RHR | AG | RHL |

EO-027 <CN1>

<CNM-5>

| 5 | 4 | 3 | 2 | 1 |
|---|---|---|---|---|
| NC | GND | TXO | RXO | VDD |

EO-033 <CN1>

<CNM-4>

| 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
|---|---|---|---|---|---|---|---|
| SCIB | VDD | VDD | GND | GND | RES2B | SCIOB | C2B |

EO-041 <CN1>

<CNM-3>

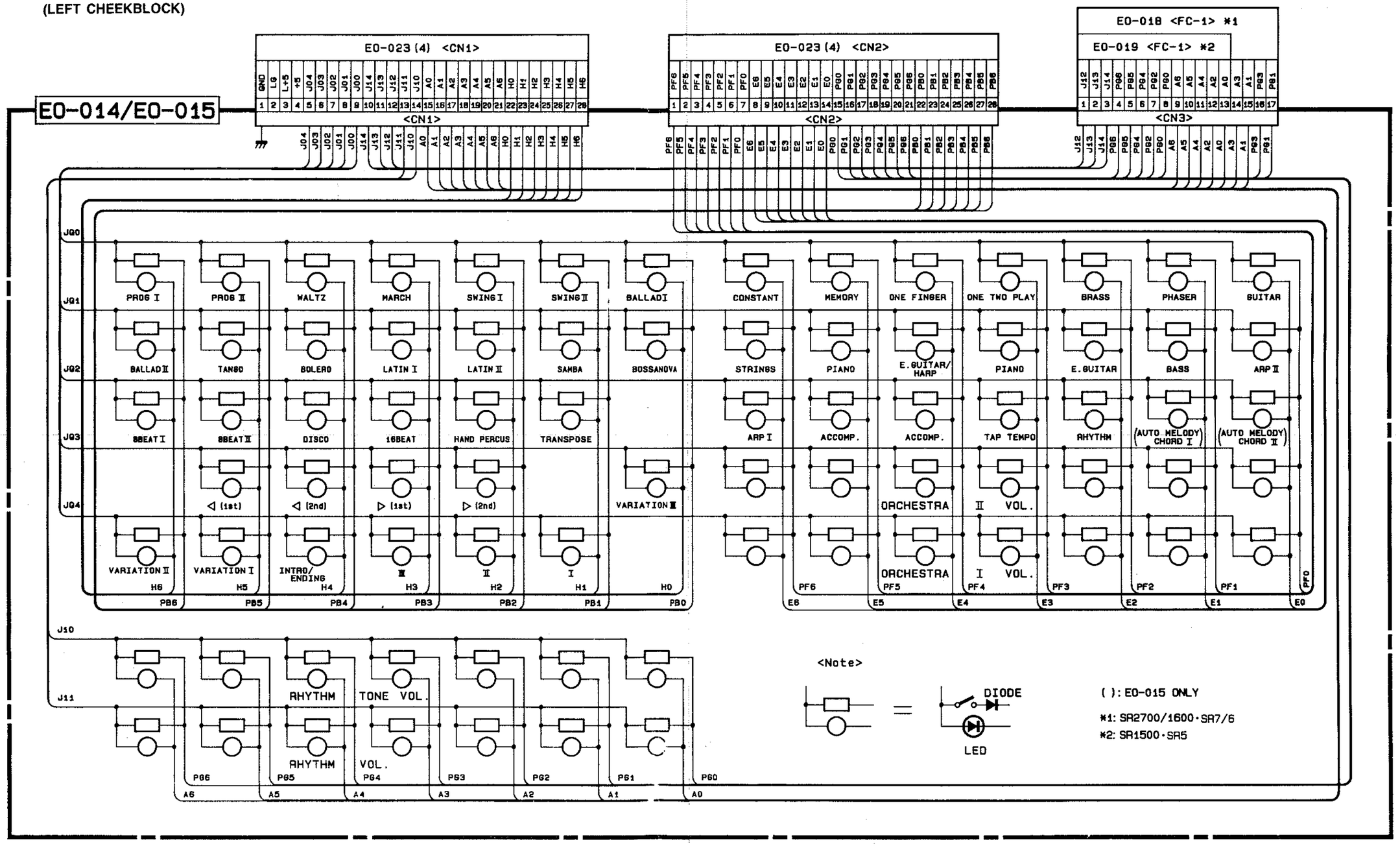
| 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
|---|---|---|---|---|---|---|---|---|---|
| L15 | VDD | SCIOA | GND | LG | C2A | GND | SCI1A | VDD | RES2A |

EO-023 <CN1>
EO-024 <CN1>
EO-031 <CNK>

| ROM No. |
|---|
| SR7/6/5 |
| P099 |
| P100 |

*1·*2 =EO-001(1),EO-001(2) ONLY (SR7/6)

## 29. EO-014, EO-015 CIRCUITS
## SR-5, SR-6, SR-7 AUTO ACCOMPANIMENT
## (LEFT CHEEKBLOCK)




P.W.B. EO-014: SR7
P.W.B. EO-015: SR6/5

## 30. EO-014 PRINTED WIRING BOARD
## AUTO ACCOMPANIMENT SR-7 (LEFT CHEEKBLOCK)

EO-023 (4) <CN1>

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H6 | H5 | H4 | H3 | H2 | H1 | H0 | A6 | A5 | A4 | A3 | A2 | A1 | A0 | J10 | J11 | J12 | J13 | J14 | J00 | J01 | J02 | J03 | J04 | +5 | L+5 | L-5 | GND |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |

ONE <CN1>

EO-023 (4) <CN2>

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P86 | P85 | P84 | P83 | P82 | P81 | P80 | PG6 | PG5 | PG4 | PG3 | PG2 | PG1 | PG0 | E0 | E1 | E2 | E3 | E4 | E5 | E6 | PF0 | PF1 | PF2 | PF3 | PF4 | PF5 | PF6 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |

<CN2>

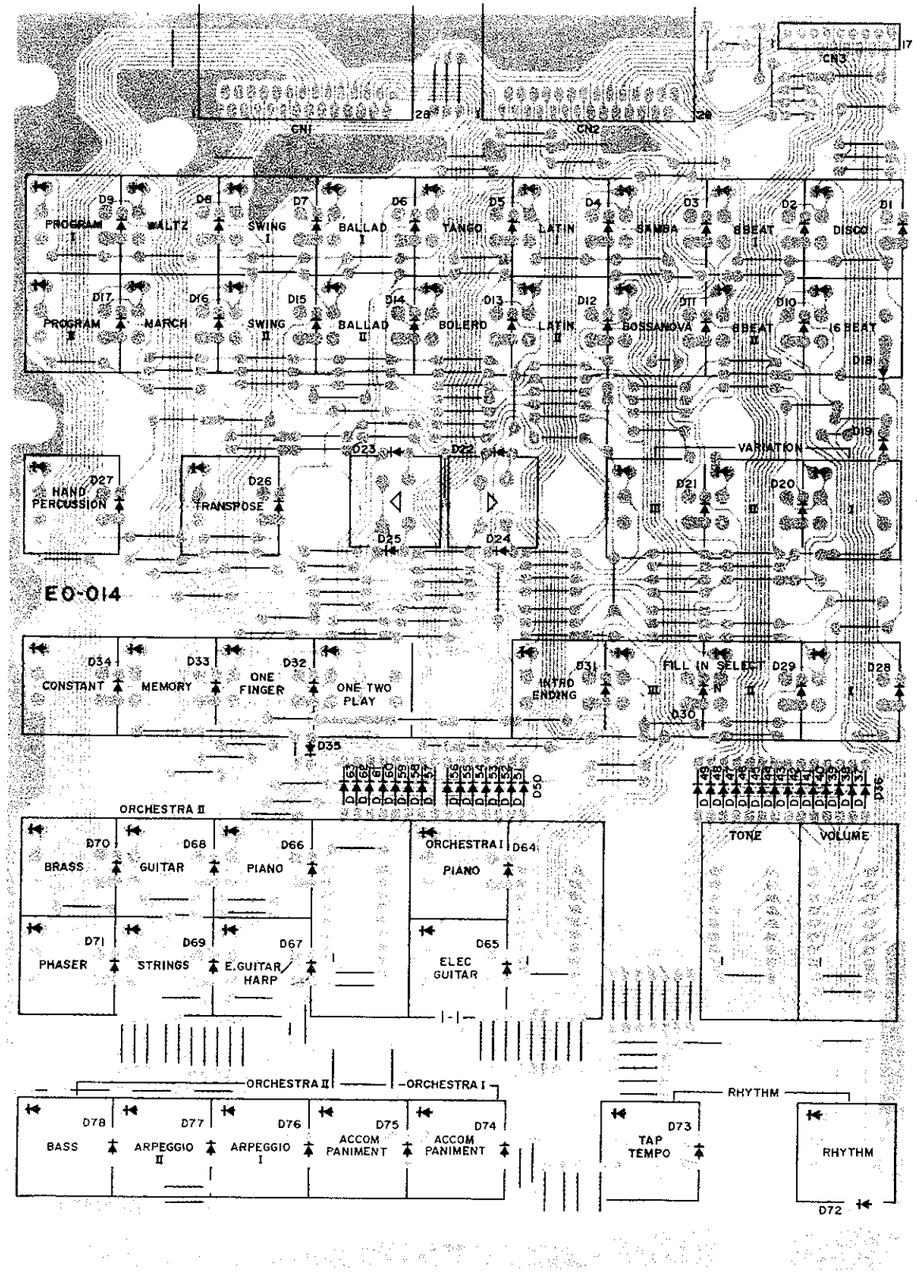
EO-018 <FC-1> *1

EO-019 <FC-1> *2

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PG1 | PG3 | A1 | A3 | A0 | A2 | A4 | A5 | A6 | PG0 | PG2 | PG4 | PG5 | PG6 | J14 | J13 | J12 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |

<CN3>

*1: SR7/6
*2: SR5



## 31. EO-015 PRINTED WIRING BOARD
## AUTO ACCOMPANIMENT SR-5, SR-6 (LEFT CHEEKBLOCK)

EO-023 (4) <CN1>

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GND | LG | L+5 | +5 | J04 | J03 | J02 | J01 | J00 | J14 | J13 | J12 | J11 | J10 | A0 | A1 | A2 | A3 | A4 | A5 | A6 | H0 | H1 | H2 | H3 | H4 | H5 | H6 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |

<CN1>

EO-023 (4) <CN2>

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PF6 | PF5 | PF4 | PF3 | PF2 | PF1 | PF0 | E6 | E5 | E4 | E3 | E2 | E1 | E0 | PG0 | PG1 | PG2 | PG3 | PG4 | PG5 | PG6 | PB0 | PB1 | PB2 | PB3 | PB4 | PB5 | PB6 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |

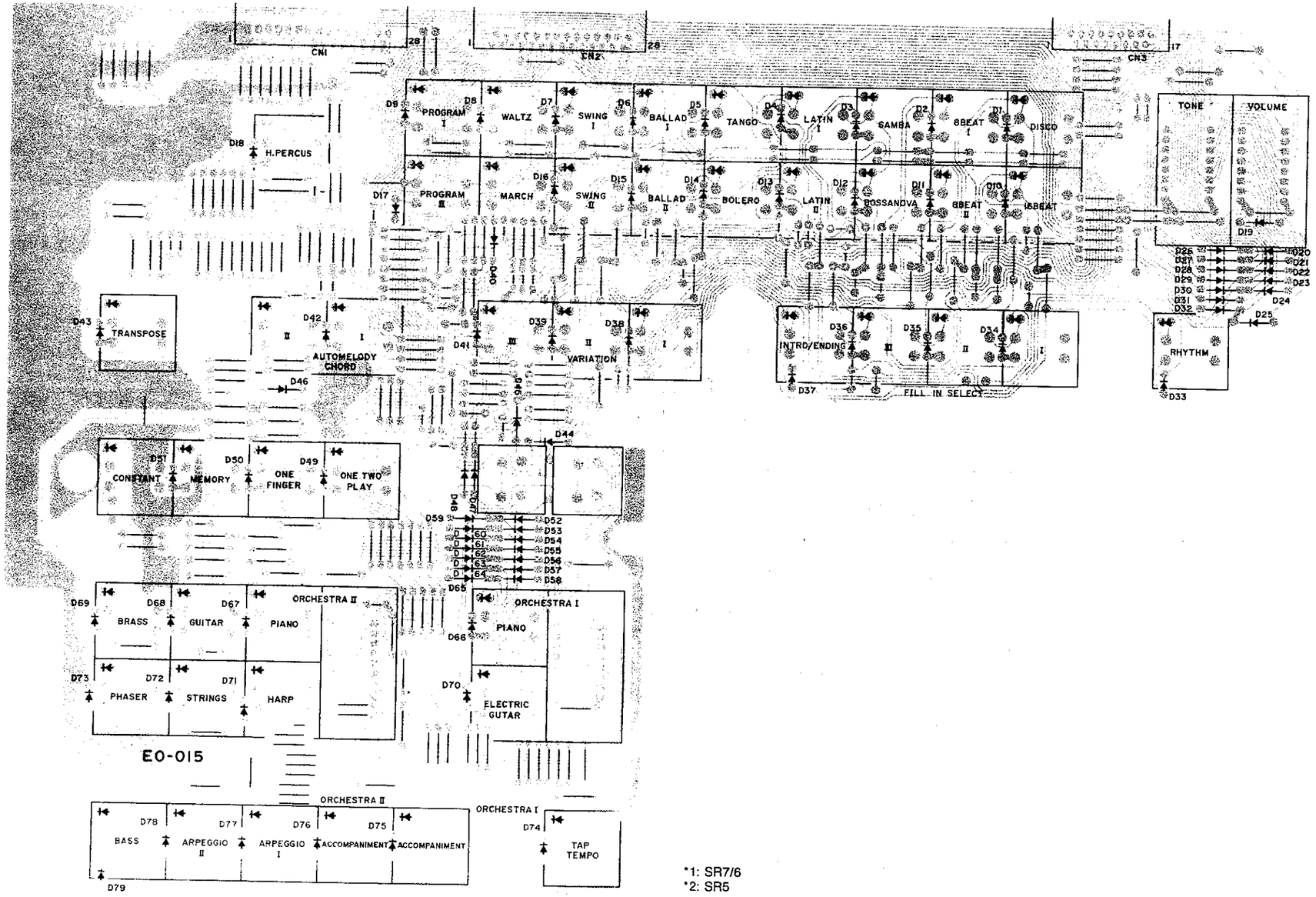
<CN2>

EO-018 <FC-1> *1

EO-019 <FC-1> *2

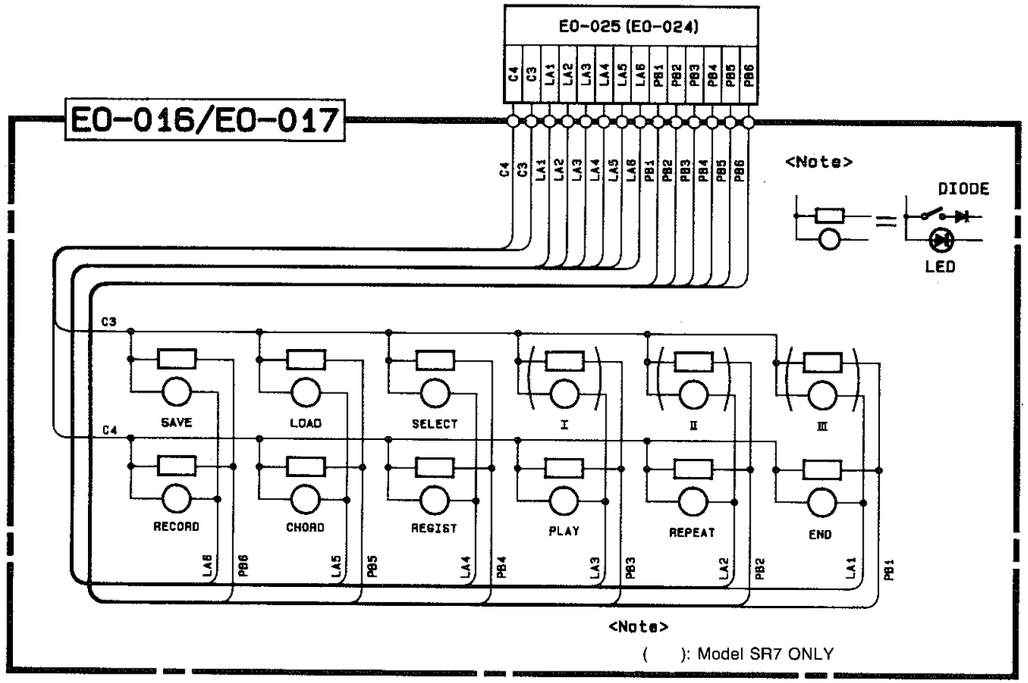
| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J12 | J13 | J14 | PG6 | PG5 | PG4 | PG2 | PG0 | A6 | A5 | A4 | A2 | A0 | A3 | A1 | PG3 | PG1 | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | |

<CN3>

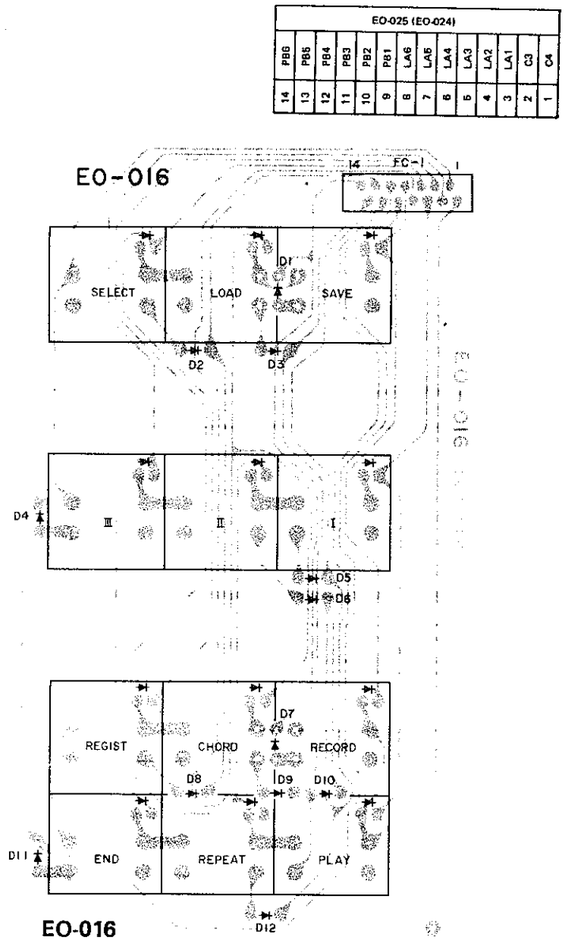



*1: SR7/6
*2: SR5

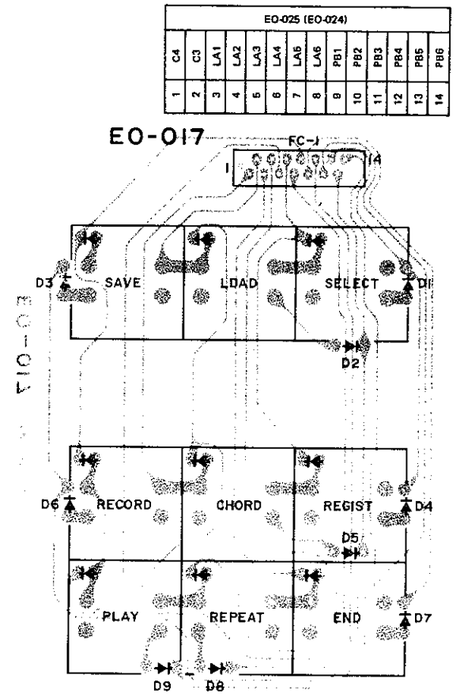
## 32. EO-016, EO-017 CIRCUITS, PRINTED WIRING BOARDS RAM CARD CONTROL, SEQUENCER




P.W.B. EO-016: SR7
P.W.B. EO-017: SR6/5

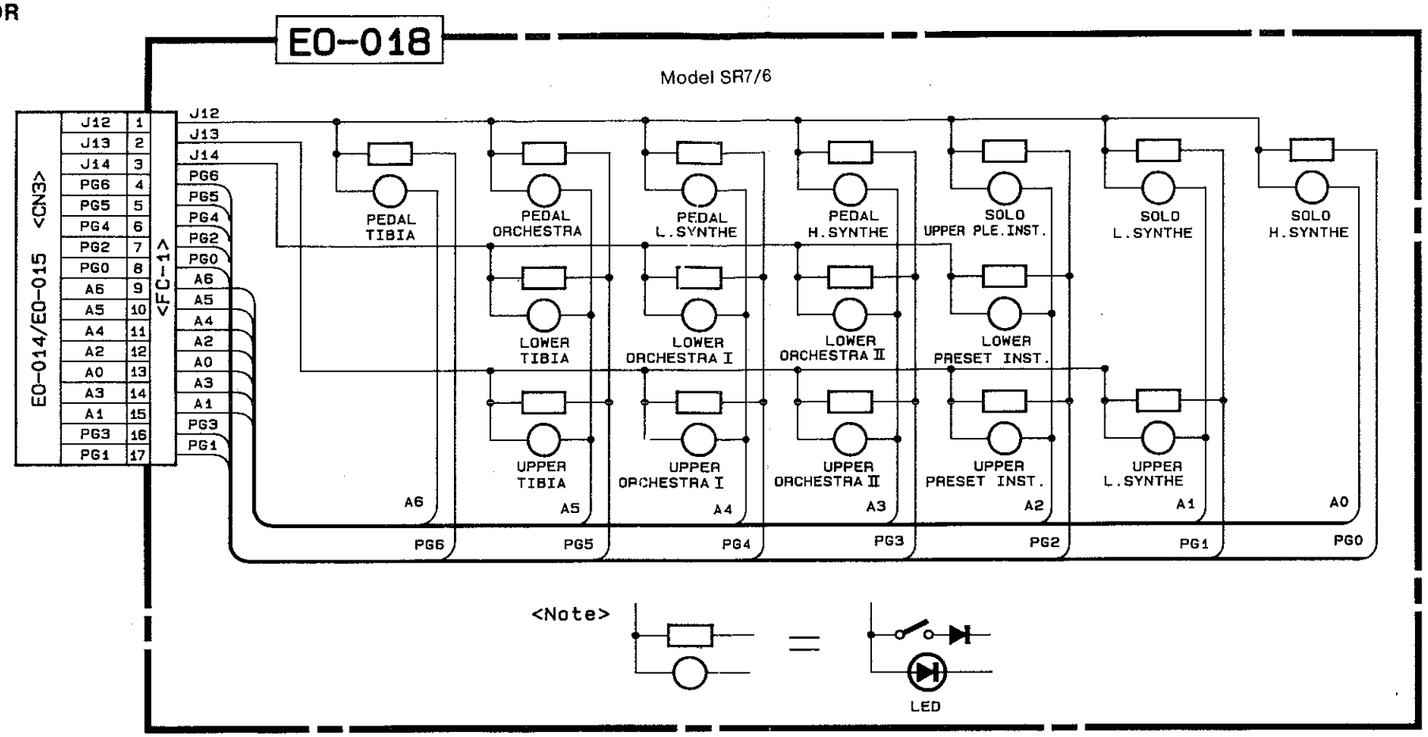


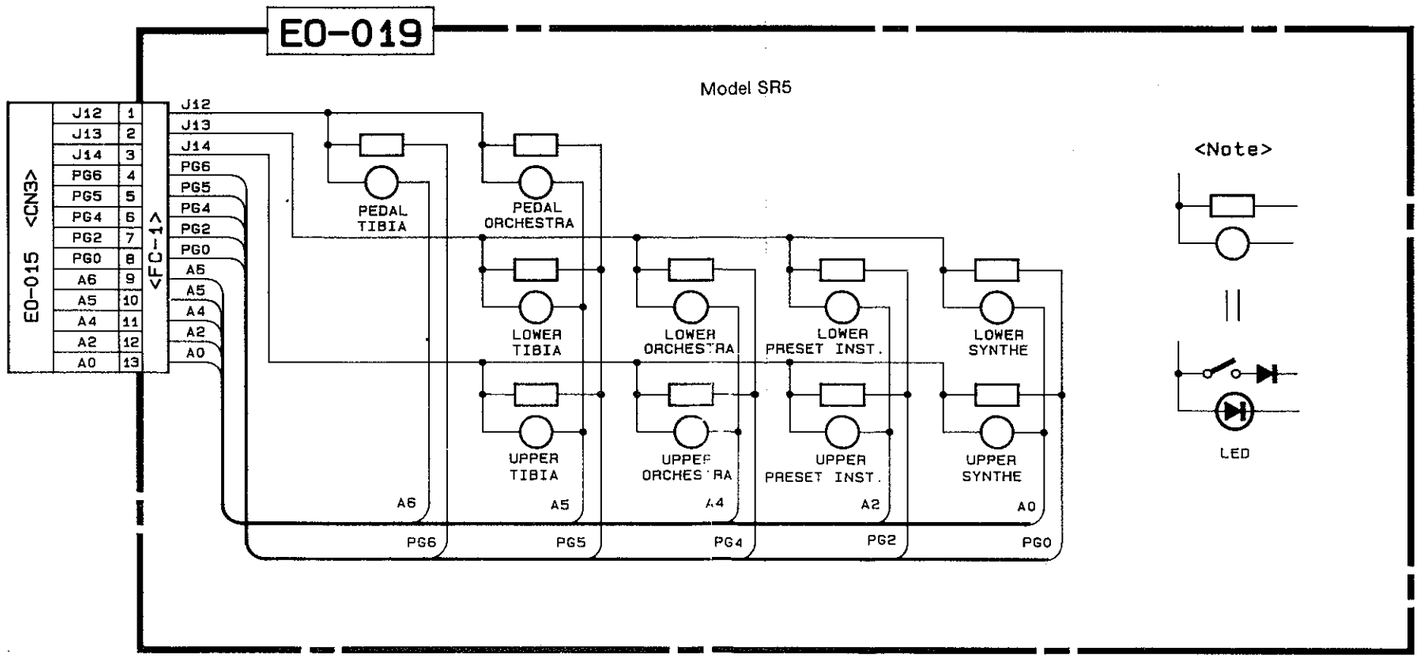

EO-016



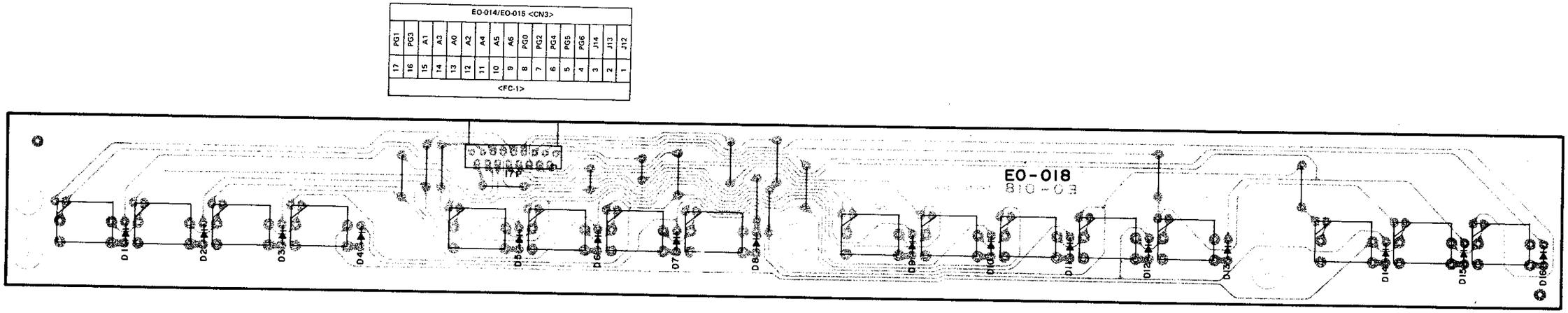

EO-017

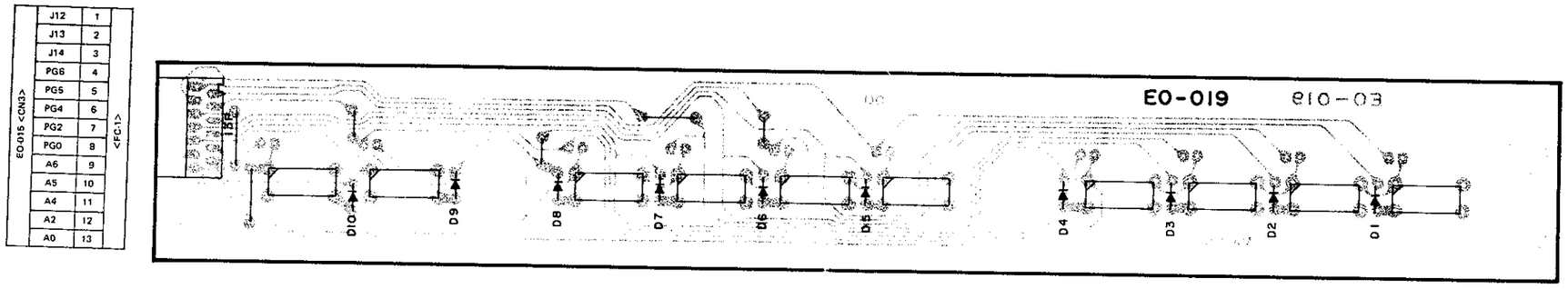
## 33. EO-018, EO-019 CIRCUITS
## KEYBOARD CONDUCTOR



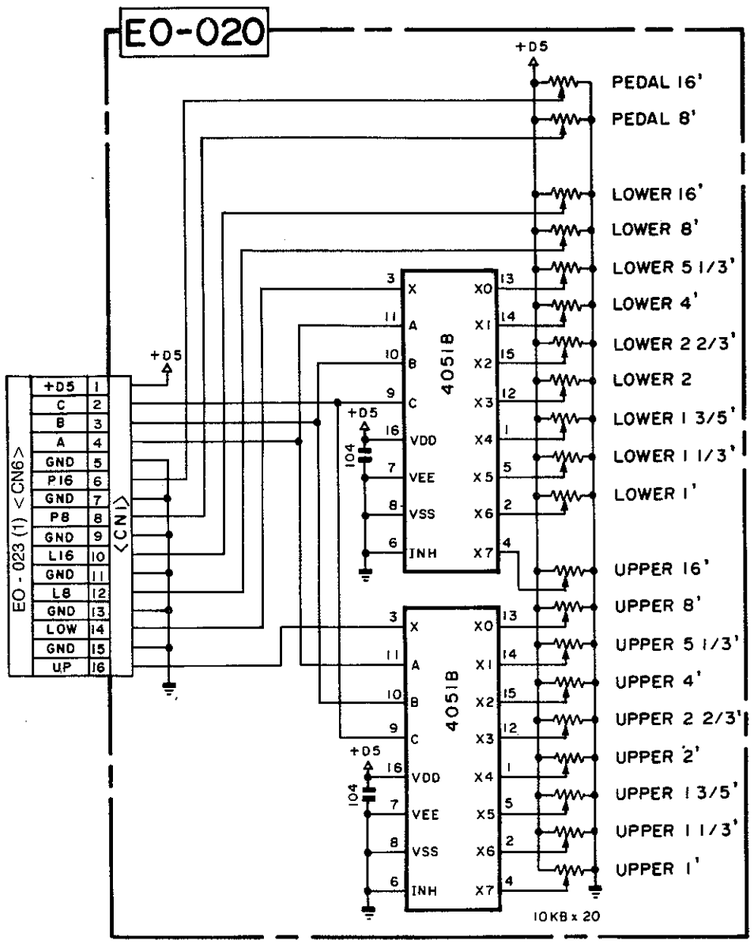
## 34. EO-018, EO-019
## PRINTED WIRING BOARDS
## KEYBOARD CONDUCTOR



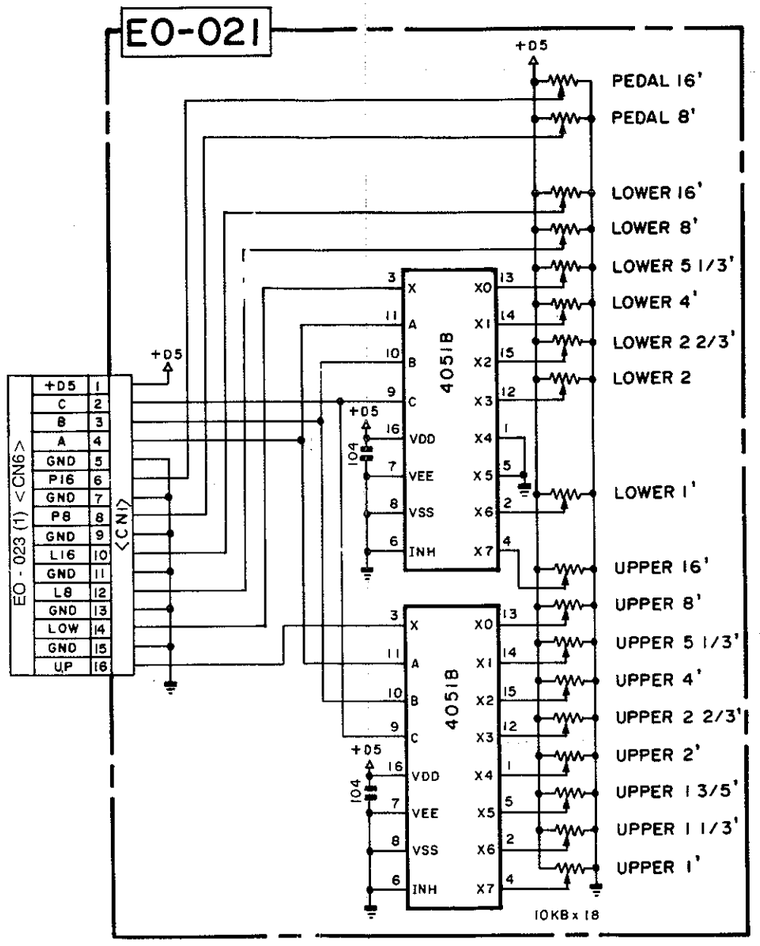




EO-019

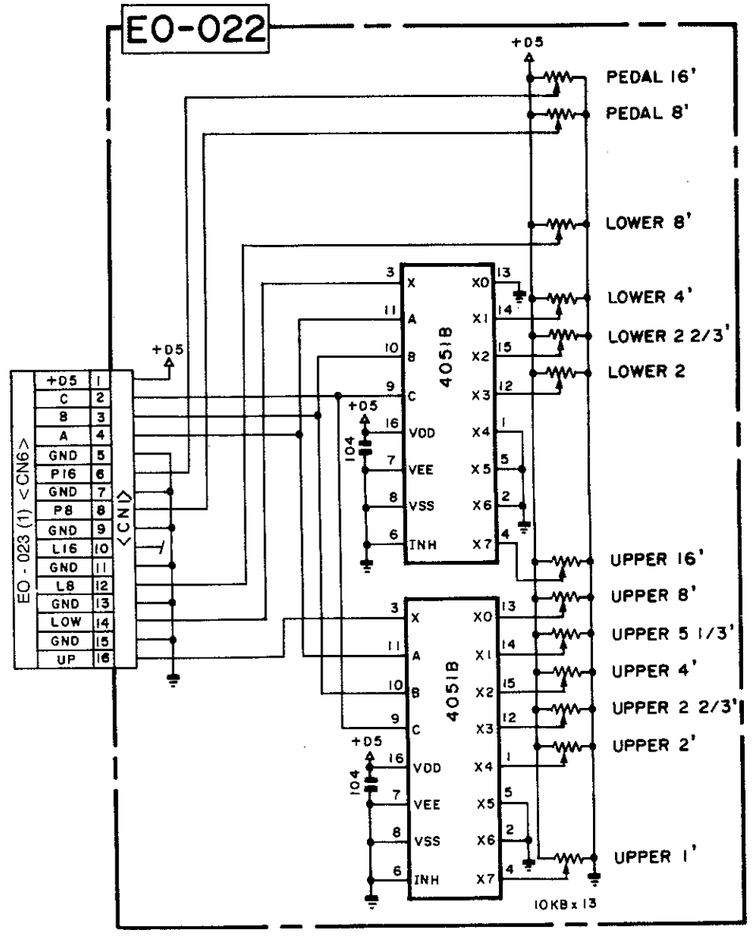
## 35. EO-020, EO-021, EO-022 CIRCUITS
## DRAWBARS




Model SR7

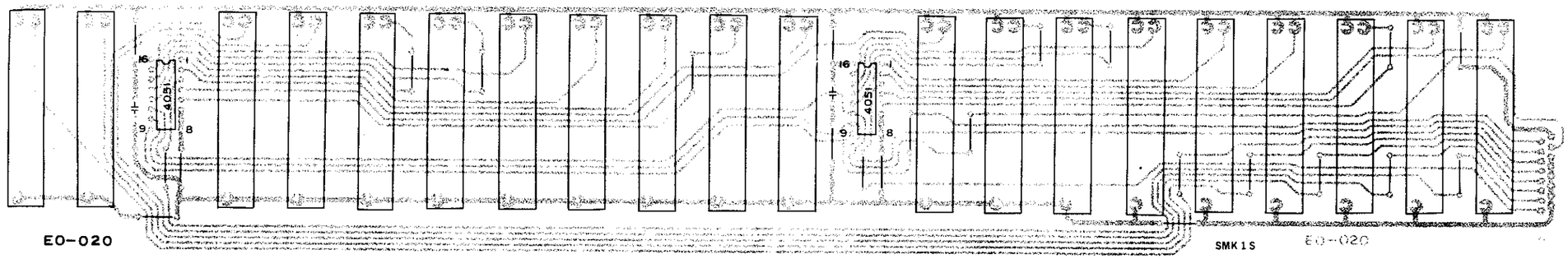



Model SR6




Model SR5

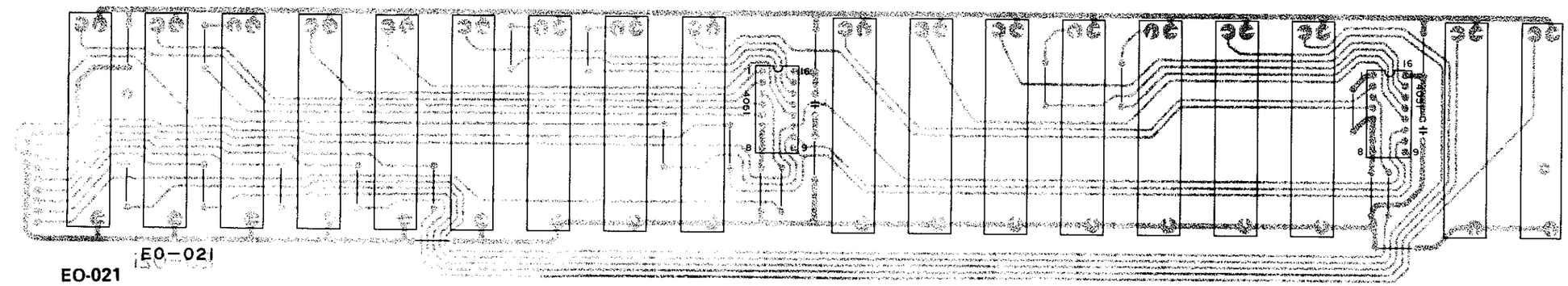
## 36. EO-020, EO-021, EO-022
## PRINTED WIRING BOARDS
## DRAWBARS




| <CN1> | | EO-023 <CN6> |
|---|---|---|
| 1 | +D5 | |
| 2 | C | |
| 3 | B | |
| 4 | A | |
| 5 | GND | |
| 6 | P16 | |
| 7 | GND | |
| 8 | P8 | |
| 9 | GND | |
| 10 | L16 | |
| 11 | GND | |
| 12 | L8 | |
| 13 | GND | |
| 14 | LOW | |
| 15 | GND | |
| 16 | UP | |

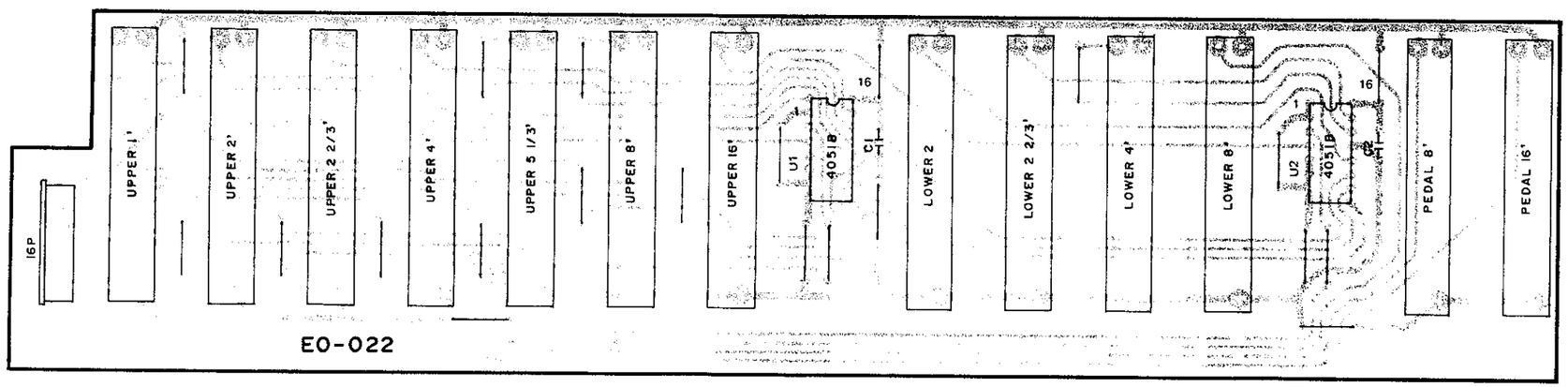
EO-020

| EO-023 <CN6> | | <CN1> |
|---|---|---|
| +D5 | 1 | |
| C | 2 | |
| B | 3 | |
| A | 4 | |
| GND | 5 | |
| P16 | 6 | |
| GND | 7 | |
| P8 | 8 | |
| GND | 9 | |
| L16 | 10 | |
| GND | 11 | |
| L8 | 12 | |
| GND | 13 | |
| LOW | 14 | |
| GND | 15 | |
| UP | 16 | |




EO-021

| EO-023 <CN6> | | <CN1> |
|---|---|---|
| +D5 | 1 | |
| C | 2 | |
| B | 3 | |
| A | 4 | |
| GND | 5 | |
| P16 | 6 | |
| GND | 7 | |
| P8 | 8 | |
| GND | 9 | |
| L16 | 10 | |
| GND | 11 | |
| L8 | 12 | |
| GND | 13 | |
| LOW | 14 | |
| GND | 15 | |
| UP | 16 | |



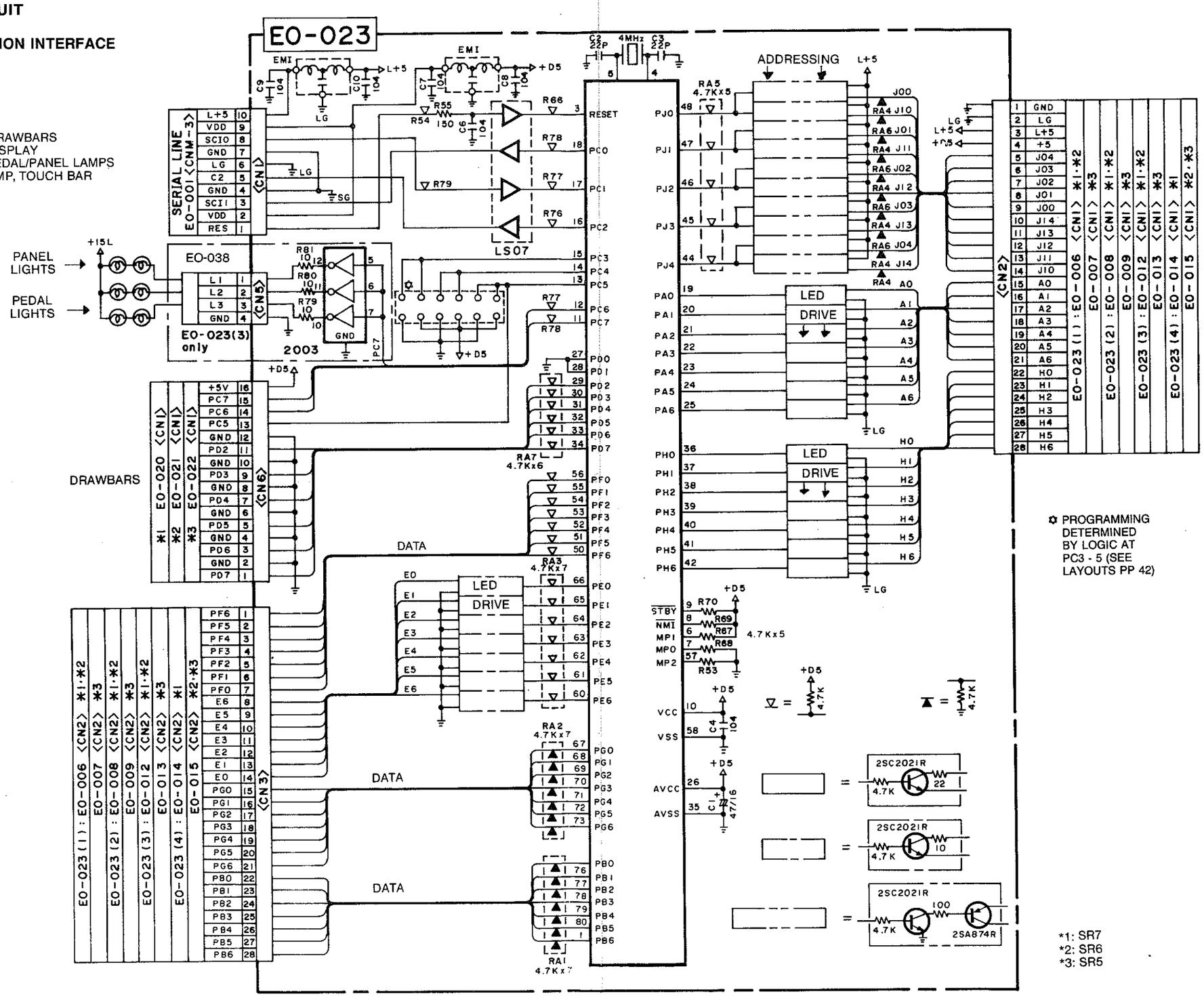

EO-022

## 37. EO-023 CIRCUIT
## SERIAL
## COMMUNICATION INTERFACE

(1) = PANEL (L), DRAWBARS
(2) = PANEL (C) DISPLAY
(3) = PANEL (R) PEDAL/PANEL LAMPS
(4) = AUTO ACCOMP, TOUCH BAR
KNEE LEVER

EO-023 (1) : PANEL LEFT
EO-023 (3) : PANEL RIGHT

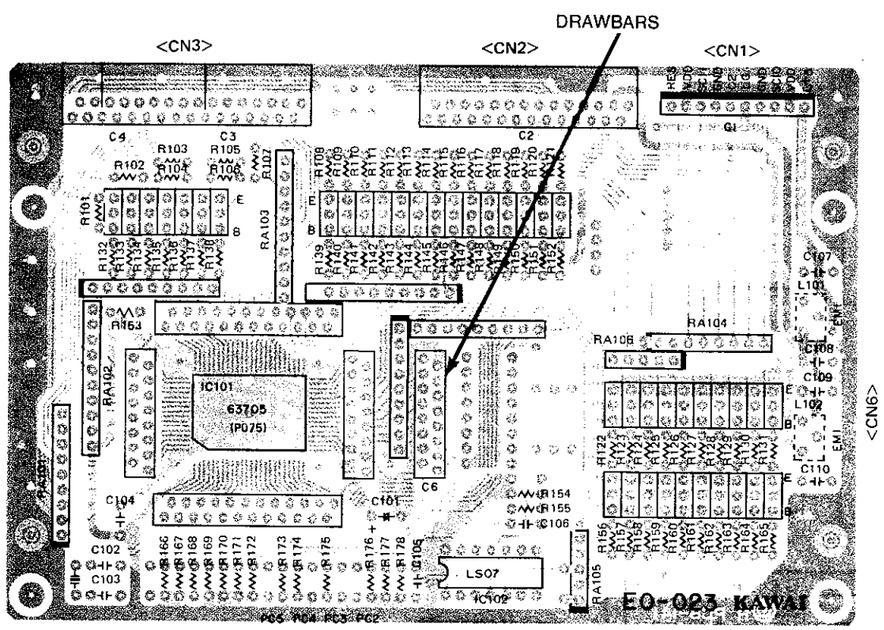
EO-023 (2) : PANEL CENTER
EO-023 (4) : LEFT CHEEK BLK



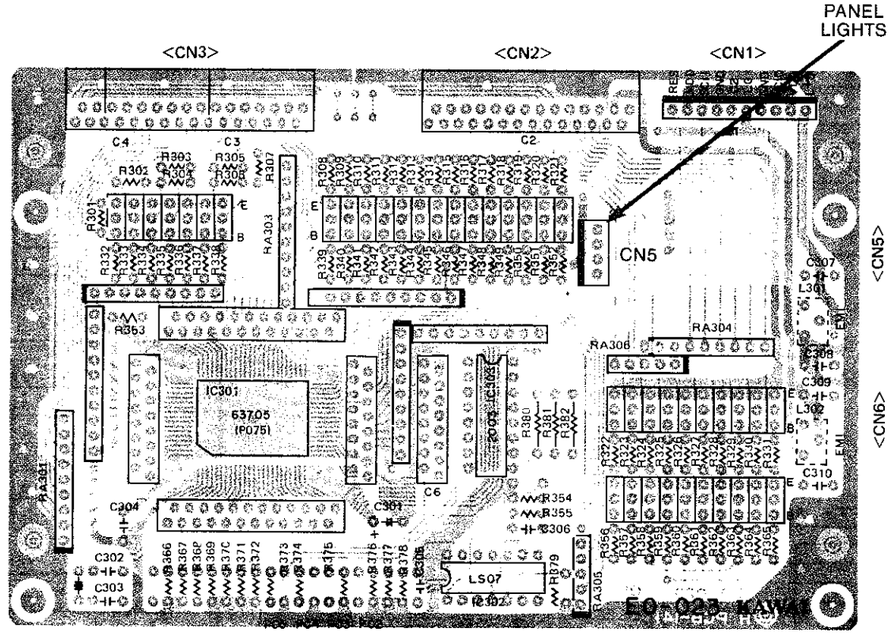

✡ PROGRAMMING DETERMINED BY LOGIC AT PC3 - 5 (SEE LAYOUTS PP 42)

*1: SR7
*2: SR6
*3: SR5

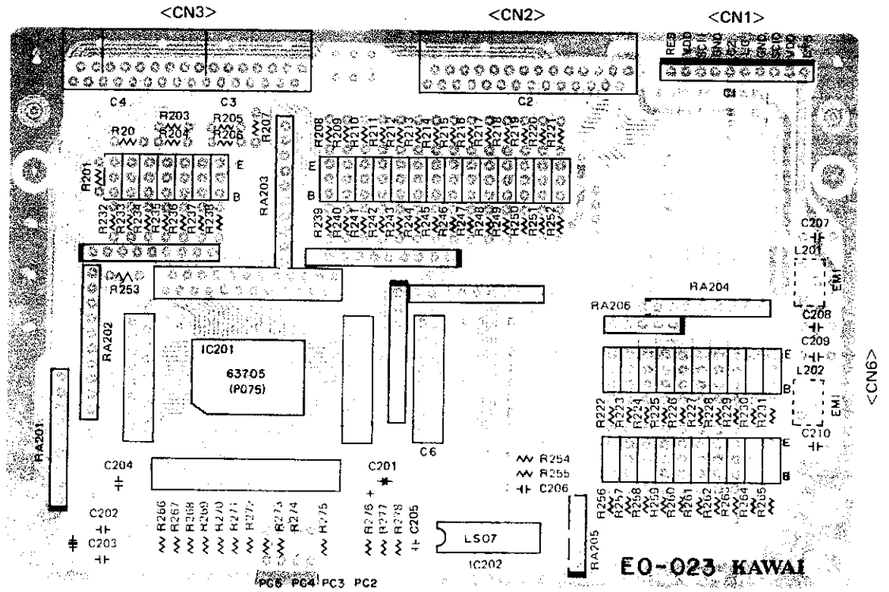
## 38. EO-023 PRINTED WIRING BOARD



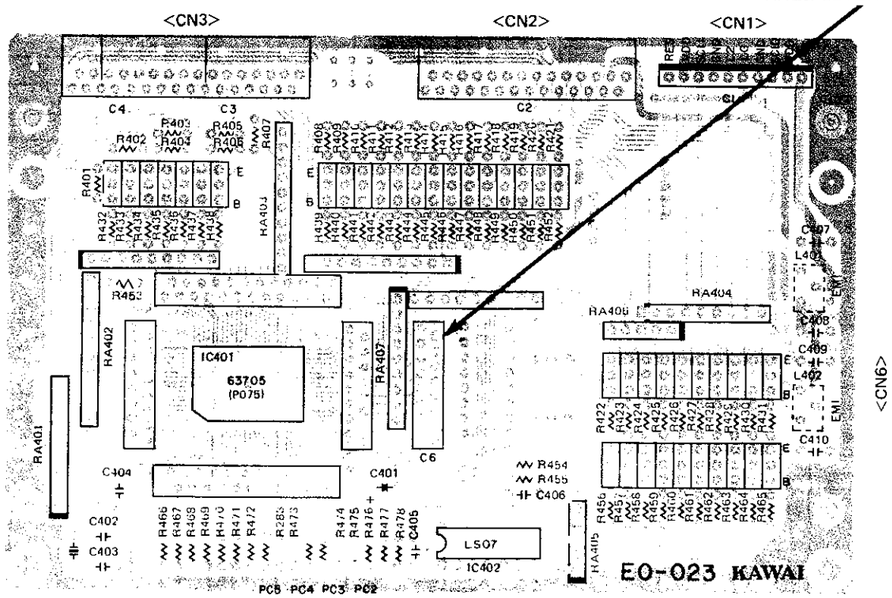

EO-023 (1)




EO-023 (3)




EO-023 (2)




EO-023 (4)

<CN1>

| | | |
|---|---|---|
| 1 | RES | |
| 2 | VDD | |
| 3 | SCI1 | |
| 4 | GND | |
| 5 | C2 | |
| 6 | LG | |
| 7 | GND | |
| 8 | SCI0 | SERIAL LINE EO-001 <CNM3> |
| 9 | VDD | |
| 10 | L+5 | |

<CN2>

| | | |
|---|---|---|
| 1 | GND | |
| 2 | LG | |
| 3 | L+5 | |
| 4 | +5 | |
| 5 | J04 | |
| 6 | J03 | |
| 7 | J02 | |
| 8 | J01 | |
| 9 | J00 | |
| 10 | J14 | |
| 11 | J13 | |
| 12 | J12 | |
| 13 | J11 | |
| 14 | J10 | |
| 15 | A0 | |
| 16 | A1 | |
| 17 | A2 | |
| 18 | A3 | |
| 19 | A4 | |
| 20 | A5 | |
| 21 | A6 | |
| 22 | H0 | |
| 23 | H1 | |
| 24 | H2 | |
| 25 | H3 | |
| 26 | H4 | |
| 27 | H5 | |
| 28 | H6 | |

EO-023 (1): EO-006 <CN2> SR2700/SR7, SR1600/SR6
EO-007 <CN2> SR1500/SR6
EO-023 (2): EO-008 <CN2> SR2700/SR7, SR1600/SR6
EO-009 <CN2> SR1600/SR6
EO-023 (3): EO-012 <CN2> SR2700/SR7, SR1600/SR6
EO-013 <CN2> SR1500/SR6
EO-023 (4): EO-014 <CN2> SR2700/SR7
EO-015 <CN2> SR1600/SR6, SR1500/SR5

<CN3>

| | | |
|---|---|---|
| 1 | PF6 | |
| 2 | PF5 | |
| 3 | PF4 | |
| 4 | PF3 | |
| 5 | PF2 | |
| 6 | PF1 | |
| 7 | PF0 | |
| 8 | E6 | |
| 9 | E5 | |
| 10 | E4 | |
| 11 | E3 | |
| 12 | E2 | |
| 13 | E1 | |
| 14 | E0 | |
| 15 | PG0 | |
| 16 | PG1 | |
| 17 | PG2 | |
| 18 | PG3 | |
| 19 | PG4 | |
| 20 | PG5 | |
| 21 | PF6 | |
| 22 | PB0 | |
| 23 | PB1 | |
| 24 | PB2 | |
| 25 | PB3 | |
| 26 | PB4 | |
| 27 | PB5 | |
| 28 | PB6 | |

EO-023 (1): EO-006 <CN2> SR2700/SR7, SR1600/SR6
EO-007 <CN2> SR1500/SR5
EO-023 (2): EO-008 <CN2> SR2700/SR7, SR1600/SR6
EO-009 <CN2> SR1600/SR6
EO-023 (3): EO-012 <CN2> SR2700/SR7, SR1600/SR6
EO-013 <CN2> SR1500/SR5
EO-023 (4): EO-014 <CN2> SR2700/SR7
EO-015 <CN2> SR1600/SR6, SR1500/SR5

<CN6>

| | | |
|---|---|---|
| 1 | PD7 | |
| 2 | GND | |
| 3 | PD6 | |
| 4 | GND | |
| 5 | PD5 | |
| 6 | GND | |
| 7 | PD4 | |
| 8 | GND | |
| 9 | PD3 | |
| 10 | GND | |
| 11 | PD2 | |
| 12 | GND | |
| 13 | PC5 | |
| 14 | PC6 | |
| 15 | PC7 | |
| 16 | +5V | |

EO-020 <CN1> SR2700/SR7
EO-021 <CN1> SR1600/SR6
EO-022 <CN1> SR1500/SR5

<CN5>

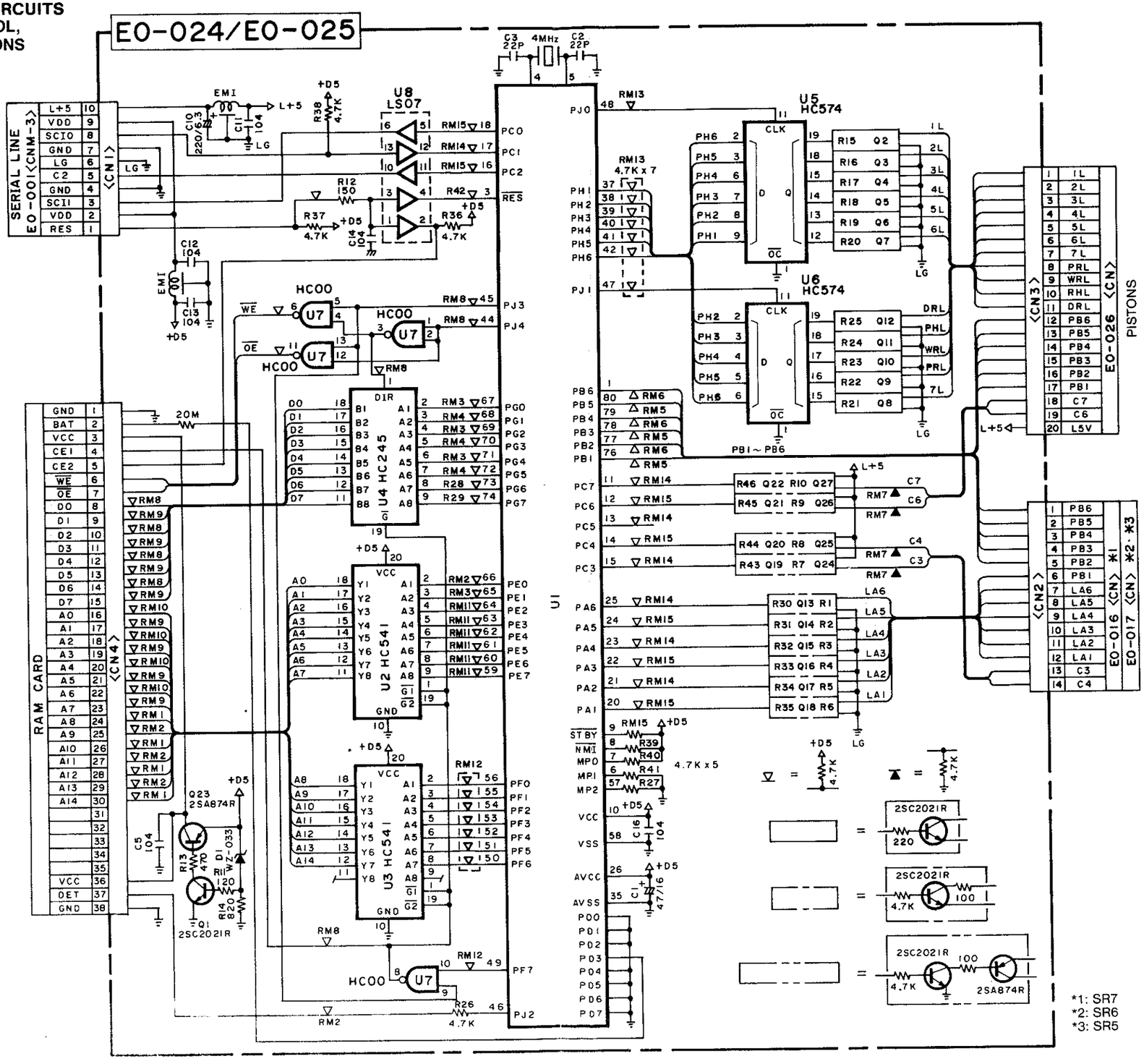
| | |
|---|---|
| 1 | L1 |
| 2 | L2 |
| 3 | L3 |
| 4 | GND |

+15L

| | PC3 | PC4 | PC5 |
|---|---|---|---|
| (1) | 1 | 0 | 0 |
| (2) | 0 | 0 | 0 |
| (3) | 0 | 0 | 1 |
| (4) | 0 | 1 | 0 |

1 = 4.7KΩ to 5V
0 = 4.7KΩ to GND

## 39. EO-024, EO-025 CIRCUITS RAM CARD CONTROL, SEQUENCER, PISTONS



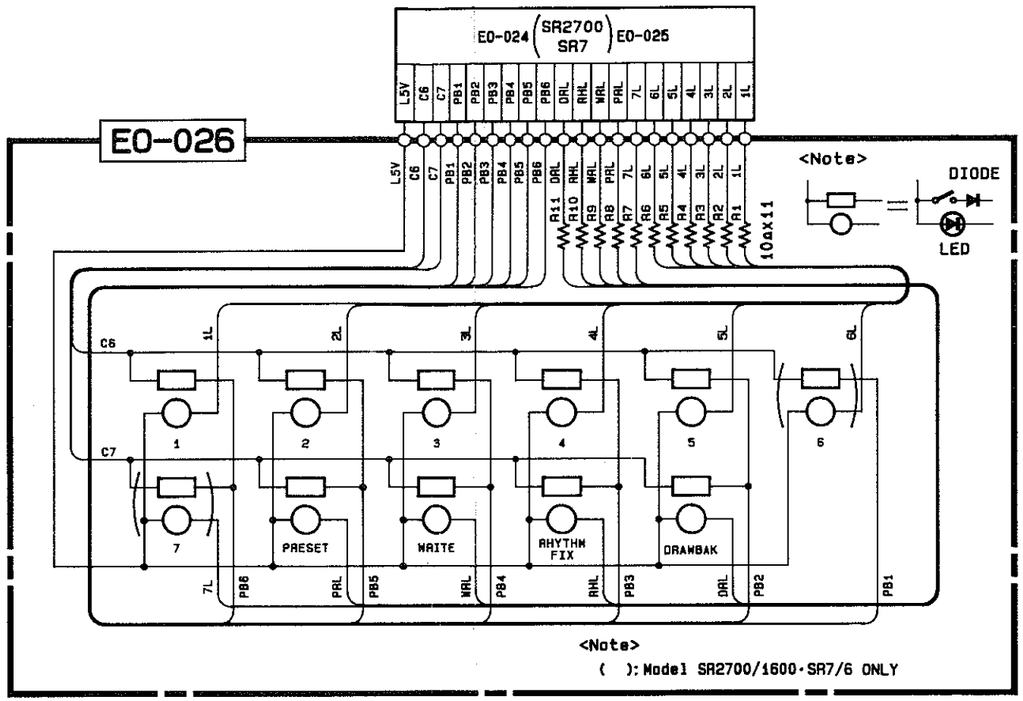
## 40. EO-024, EO-025
## PRINTED WIRING BOARDS
## RAM CARD CONTROL, SEQUENCER, PISTONS

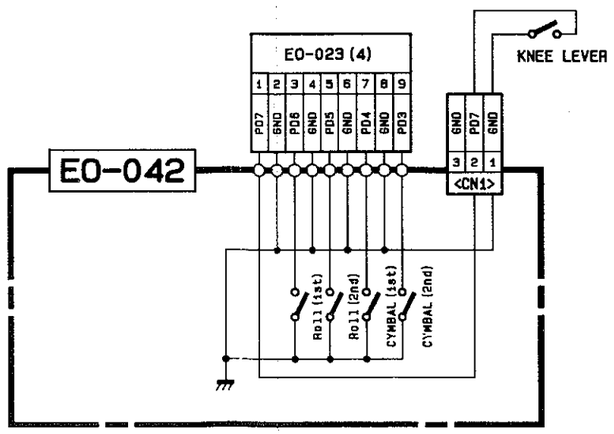
*1·*2 only

| EO-026 <CN> | | | |
|---|---|---|---|
| 1L | 1 | 2 | 2L |
| 3L | 3 | 4 | 4L |
| 5L | 5 | 6 | 6L |
| 7L | 7 | 8 | PRL |
| WRL | 9 | 10 | RHL |
| DRL | 11 | 12 | PB6 |
| PB5 | 13 | 14 | PB4 |
| PB3 | 15 | 16 | PB2 |
| PB1 | 17 | 18 | C7 |
| C6 | 19 | 20 | L5V |
| <CN3> | | | |

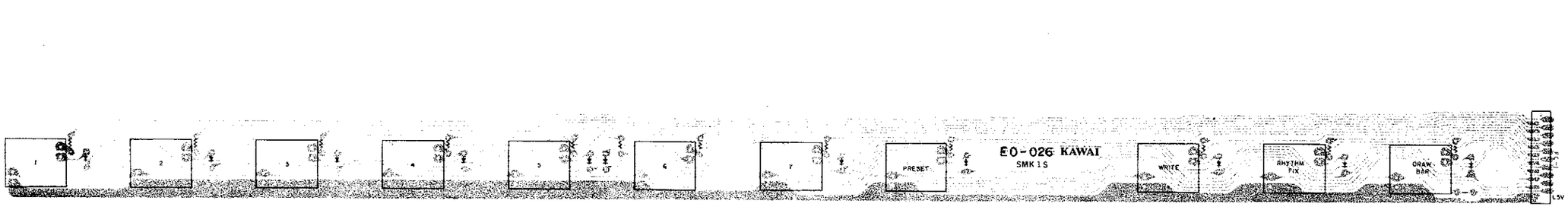
| RAM CARD | | |

## 41. EO-026, EO-042 CIRCUITS
PISTONS,
TOUCHBAR,
KNEE LEVER



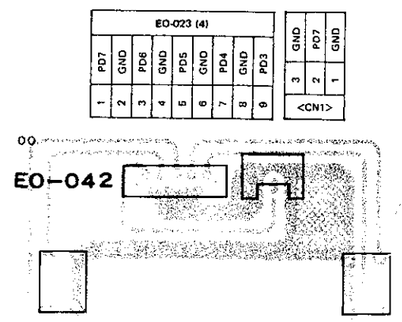



## 42. EO-026, EO-042
## PRINTED WIRING BOARDS
## PISTONS,
## TOUCHBAR,
## KNEE LEVER




| | | |
|---|---|---|
| 1 | 1L | EO-024 / SR2700 / SR7 / EO-026 |
| 2 | 2L | |
| 3 | 3L | |
| 4 | 4L | |
| 5 | 5L | |
| 6 | 6L | |
| 7 | 7L | |
| 8 | PRL | |
| 9 | WRL | |
| 10 | RHL | |
| 11 | DRL | |
| 12 | PB6 | |
| 13 | PB5 | |
| 14 | PB4 | |
| 15 | PB3 | |
| 16 | PB2 | |
| 17 | PB1 | |
| 18 | C7 | |
| 19 | C6 | |
| 20 | L5V | |

**EO-026**




**EO-042**

# 43. EO-027 CIRCUIT MIXER, EXPRESSION, TOTAL VOLUME

PFN = PAN FLUTE NOISE CONT.
TV = TOTAL VOLUME CONT. LINE
EXP = EXPRESSION CONT. LINE
SYV = SYNTH VOL. (WH NOISE)
CLP = CLICK PULSE
TRM = TREMOLO CONTROL
UCH = UPPER CHORUS
LCH = LOWER CHORUS

UT = UPPER TIBIA
LT = LOWER TIBIA
MI = PEDAL SIGNALS
RHL = RHYTHM (LEFT)
RHL =RHYTHM (RIGHT)

SIGNALS TO/FROM TREM/ENSEMBLE PROCESSING

EXPRESSION VCAs

TOTAL VOLUME VCAs

SIGNAL TO PWR AMPS

EO-027

SR7/6 ONLY

+ 24 WITH EXT. LESLIE

E. TREM GAIN

RHYTHM GAIN

SR7,6 only CLICK

LPF

SQUELCH*

EXT. OUT

EXT. LESLIE OUT

TLG - TOTAL LINE GATE CONT. (SQUELCH)

HPR/L = HEADPHONE
HJS = HEADPHONE JACK SWITCH

PSC - TURN ON DELAY M.P. SIGNAL

LESLIE RELAY CONT.

CP1 MAIN CHANNELS CHECK POINT

CP2 MULTIPHONIC CHECK POINT

MULTIPHONIC SPEAKERS

U1, 3, 4, 5, 8, 10, 14, 16, 20, 21 M5218(Op Amp)

U6, 7, 9, 11, 12, 15, 17, 18, 19, 22 M5113(LIVCA)

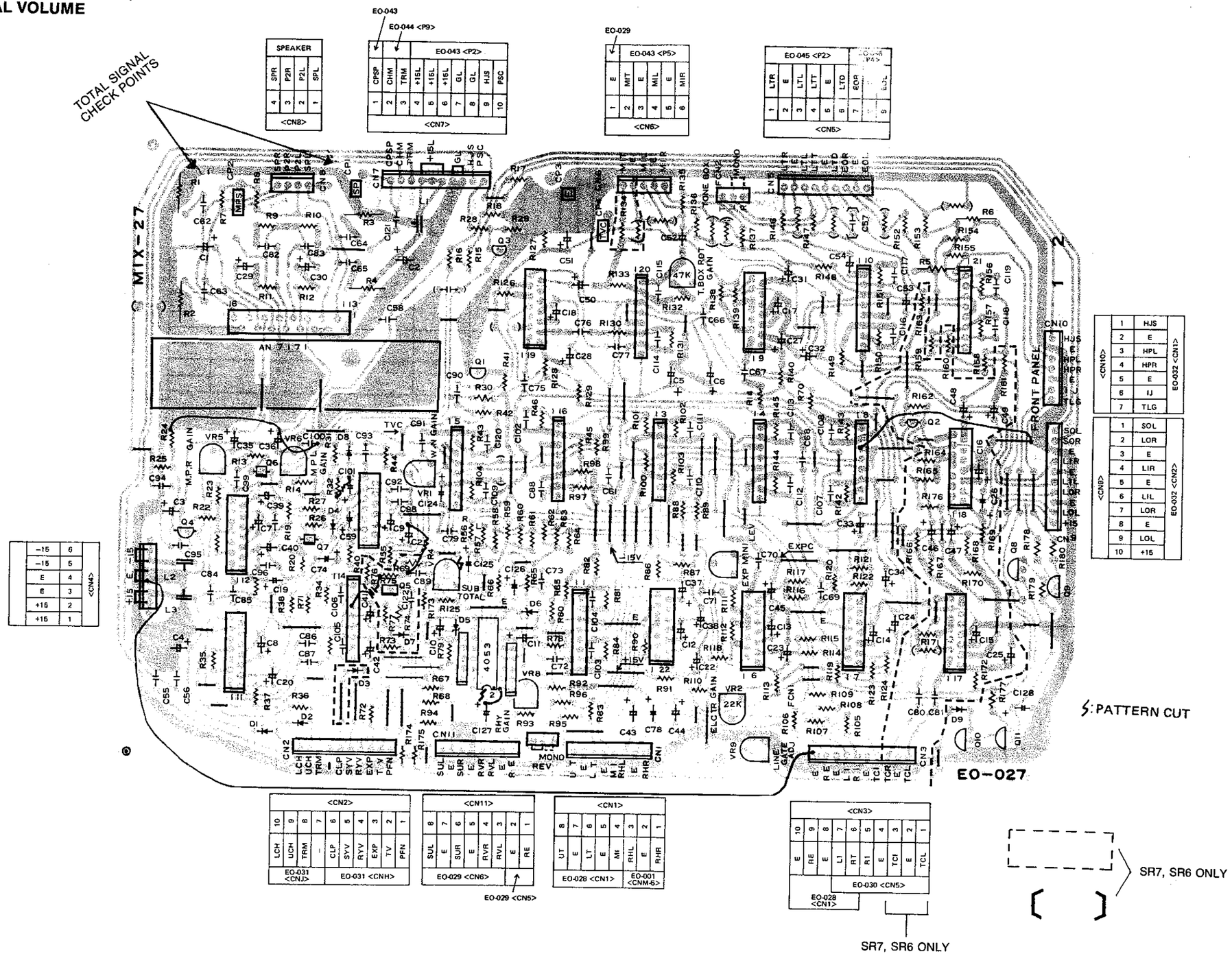
U13 AN7171K

REVERB/M.P. SIG I/O

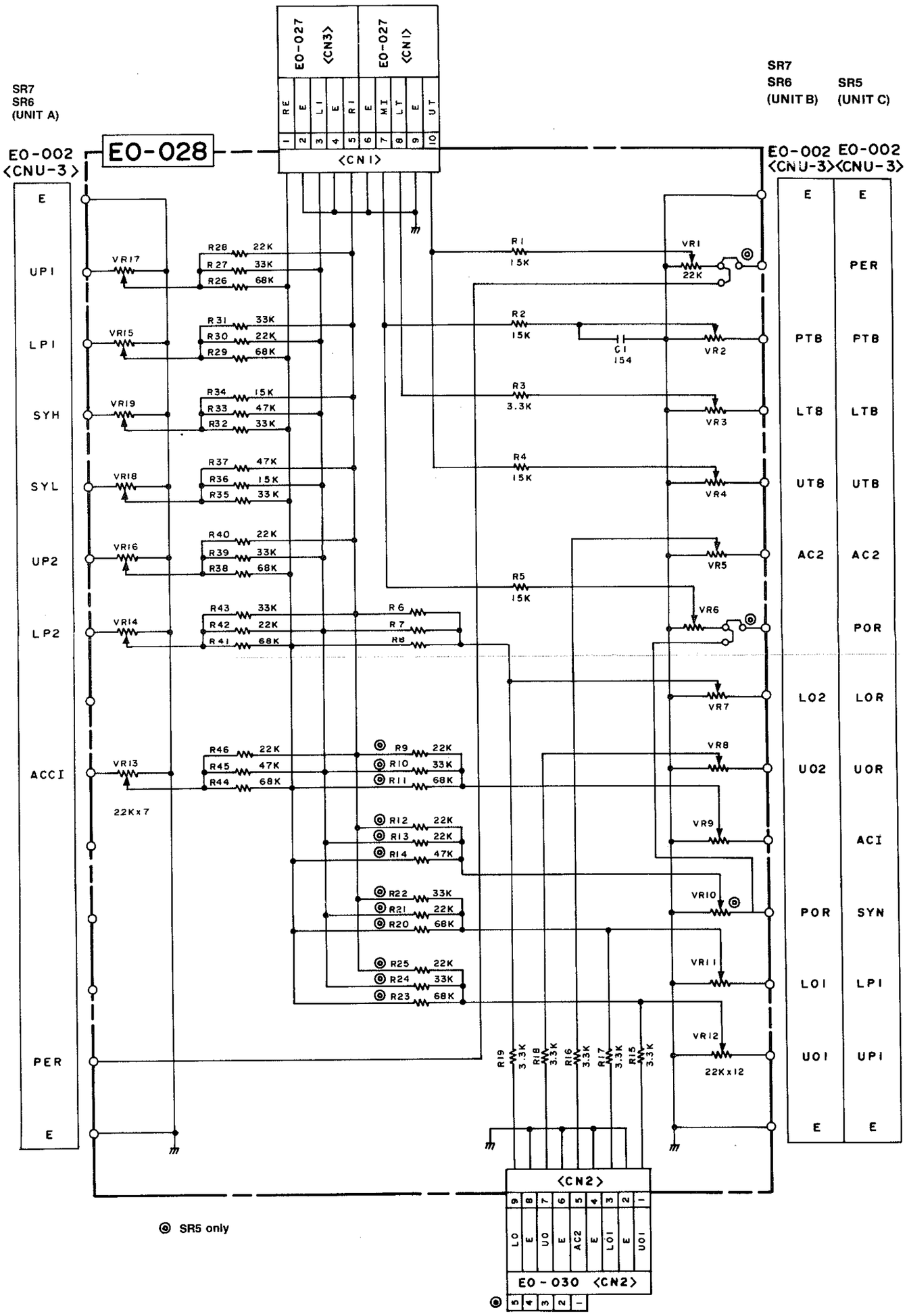
LINE I/O USER PANEL

*EARLY PRODUCTION THIS CIRCUIT ON SEPARATE PCB. SEE TECHNICAL SUPPLEMENT.
WITH T.V. FULL, SQUELCH SHOULD SWITCH BETWEEN ⅓ - ½ OF EXPRESSION
SQUELCH = OV
NOT SQUELCHED = +3.8 MEASURED AT C OF Q8

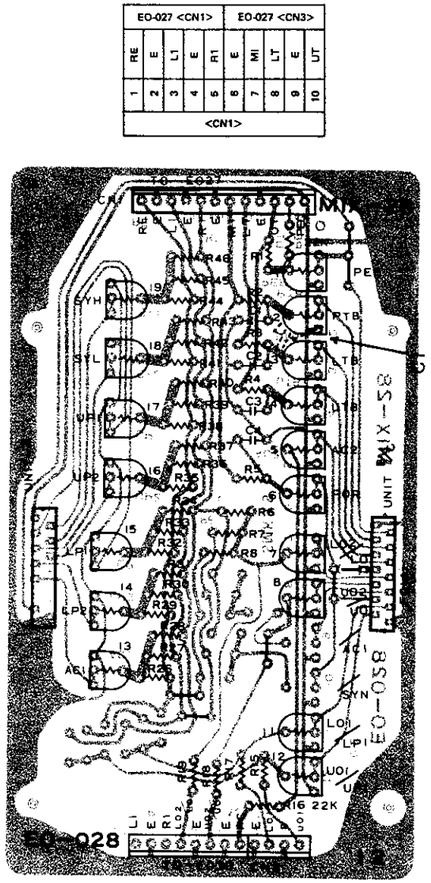
## 44. EO-027 PRINTED WIRING BOARD MIXER, EXPRESSION, TOTAL VOLUME

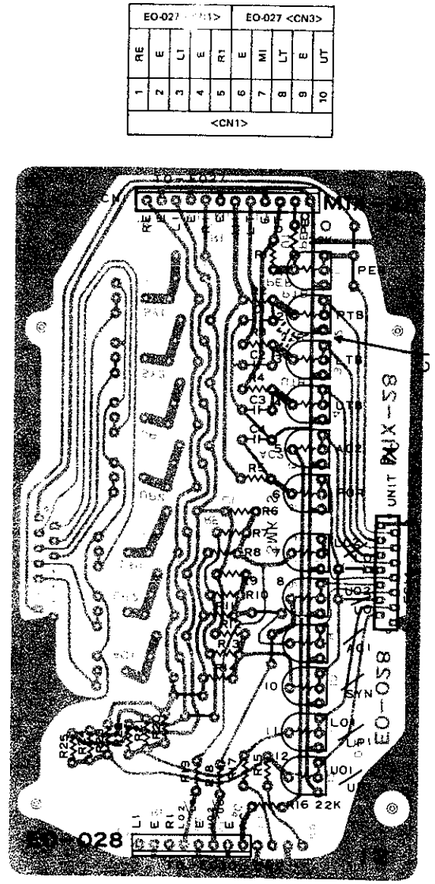



S: PATTERN CUT

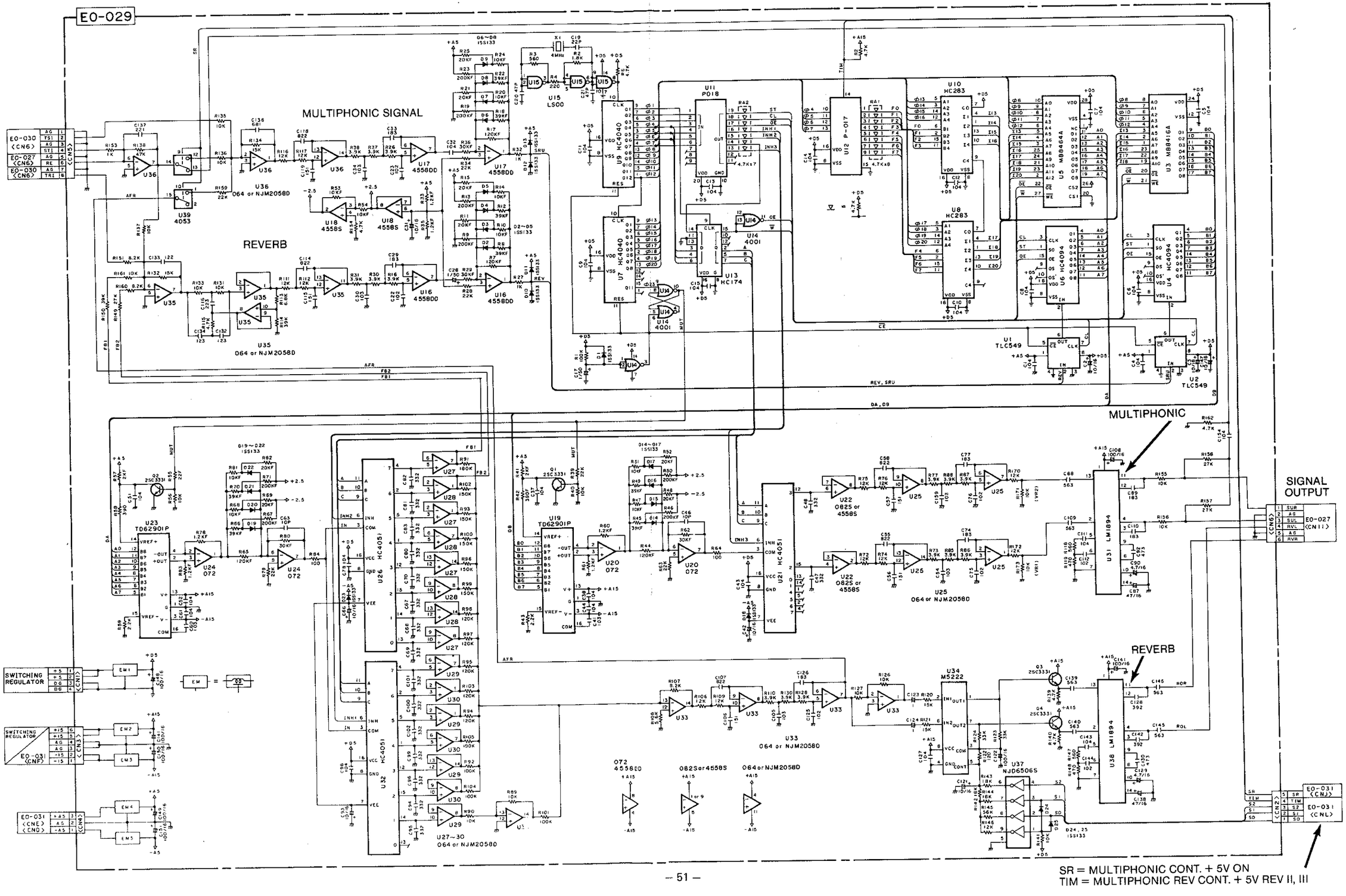

EO-028
EO-027 <CN3>
EO-027 <CN1>
RE E LI E RI E MI LT E UT
1 2 3 4 5 6 7 8 9 10
<CN1>
SR7
SR6
(UNIT A)
SR7
SR6
(UNIT B)
SR5
(UNIT C)
EO-002 <CNU-3>
EO-002 <CNU-3>
EO-002 <CNU-3>
E
UP1
LP1
SYH
SYL
UP2
LP2
ACCI
PER
E
E
PER
PTB
LTB
UTB
AC2
POR
LO2
UO2
ACI
SYN
LO1
UO1
E
VR17
VR15
VR19
VR18
VR16
VR14
VR13
22K×7
R28 22K
R27 33K
R26 68K
R31 33K
R30 22K
R29 68K
R34 15K
R33 47K
R32 33K
R37 47K
R36 15K
R35 33K
R40 22K
R39 33K
R38 68K
R43 33K
R42 22K
R41 68K
R46 22K
R45 47K
R44 68K
R1 15K
R2 15K
R3 3.3K
R4 15K
R5 15K
R6
R7
R8
R9 22K
R10 33K
R11 68K
R12 22K
R13 22K
R14 47K
R22 33K
R21 22K
R20 68K
R25 22K
R24 33K
R23 68K
C1 154
VR1 22K
VR2
VR3
VR4
VR5
VR6
VR7
VR8
VR9
VR10
VR11
VR12 22K×12
R19 3.3K
R18 3.3K
R16 3.3K
R17 3.3K
R15 3.3K
<CN2>
9 8 7 6 5 4 3 2 1
LO E UO E AC2 E LO1 E UO1
EO-030 <CN2>
5 4 3 2 1
◎ SR5 only

## 46. EO-028 PRINTED WIRING BOARD
## SIGNAL SUMMING & MIXING

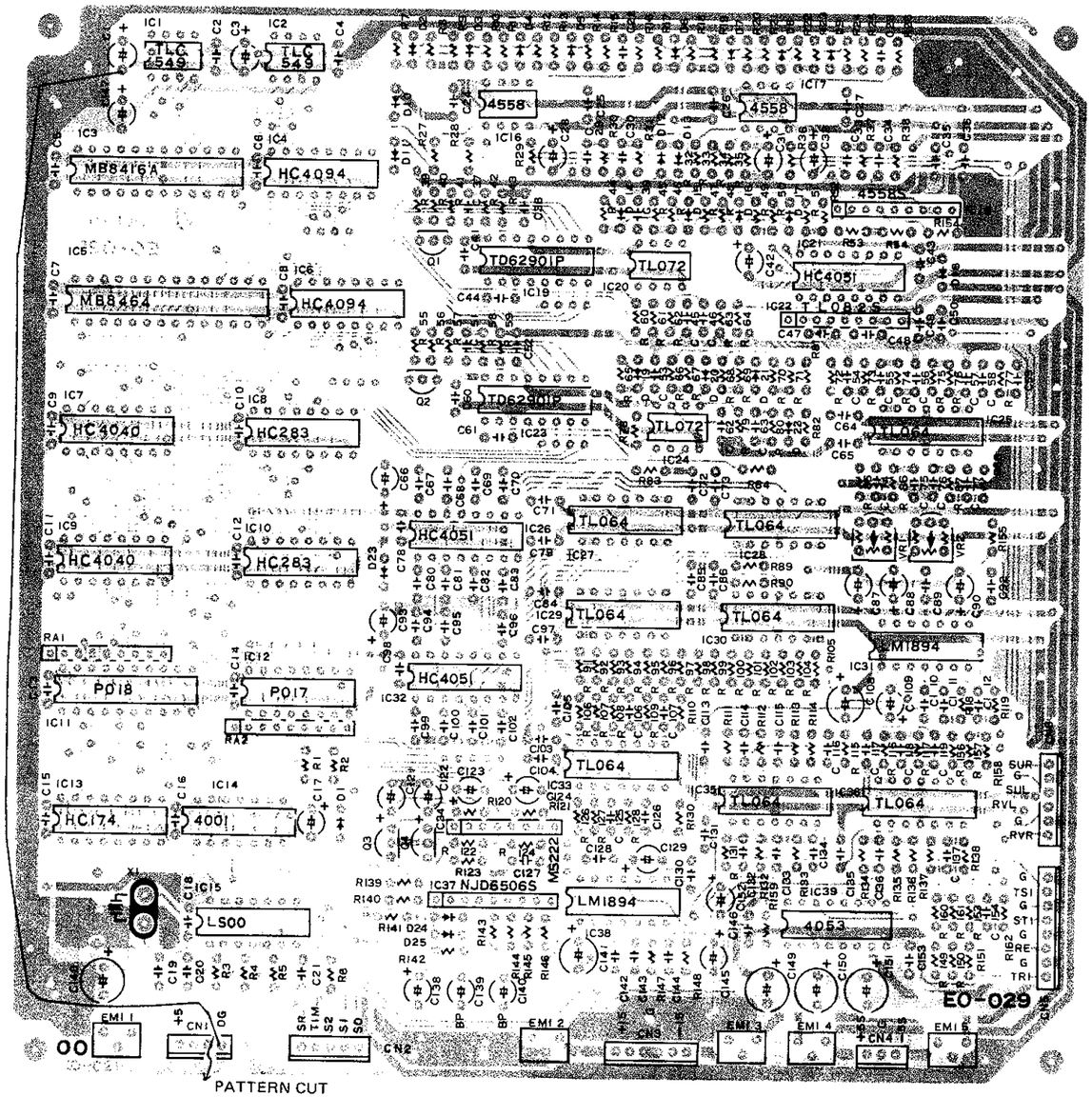


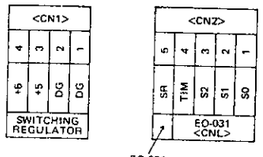



## 47. EO-029 CIRCUIT DIGITAL REVERB/MULTIPHASE PROCESSOR



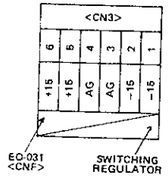
## 48. EO-029 PRINTED WIRING BOARD
## DIGITAL REVERB/
## MULTIPHASE PROCESSOR

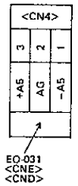


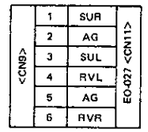



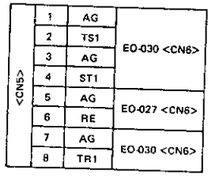




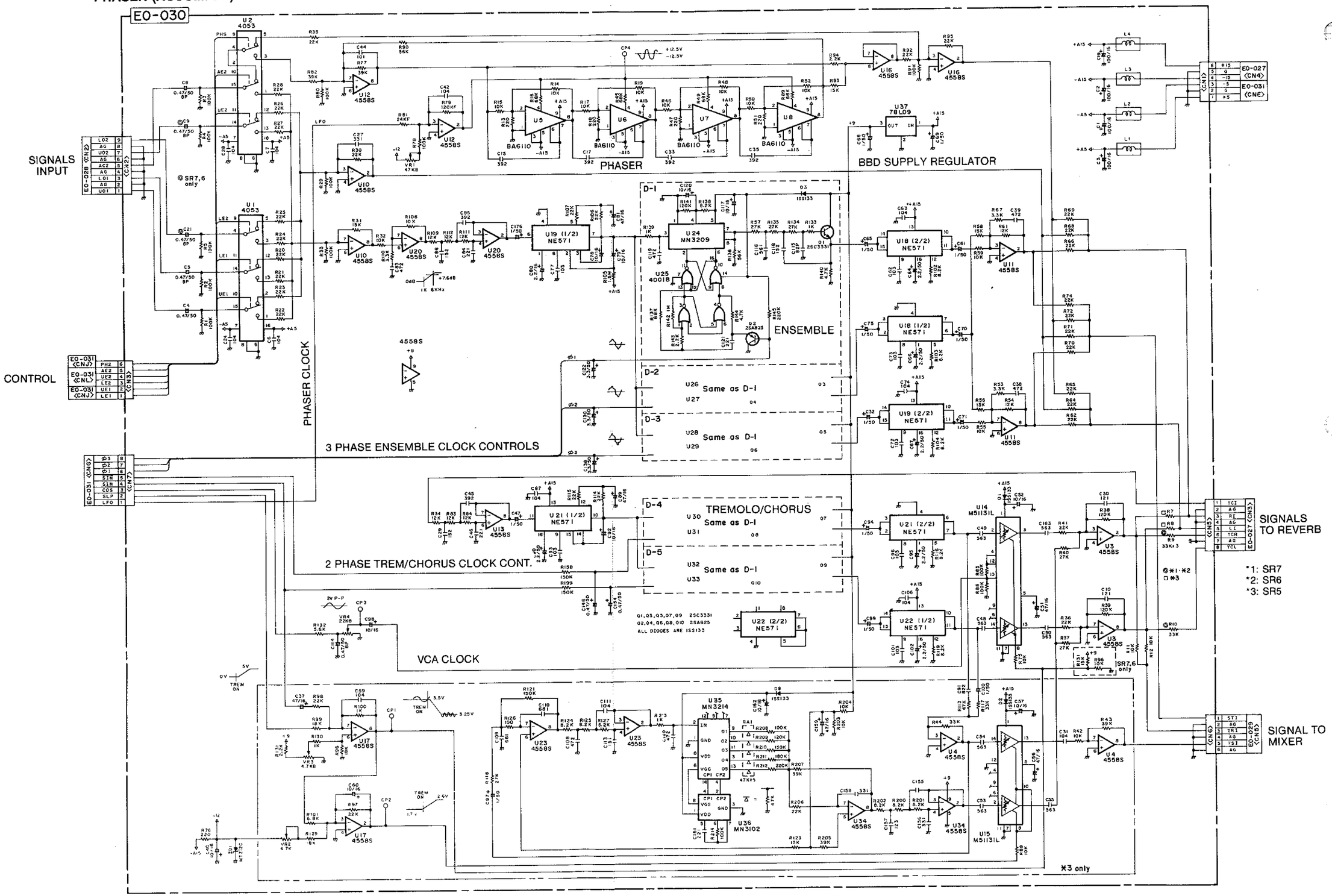


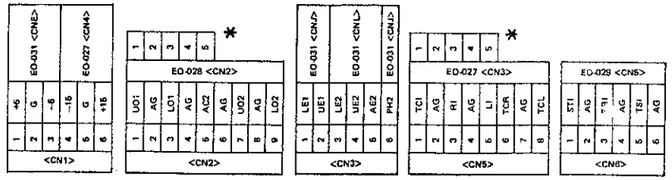



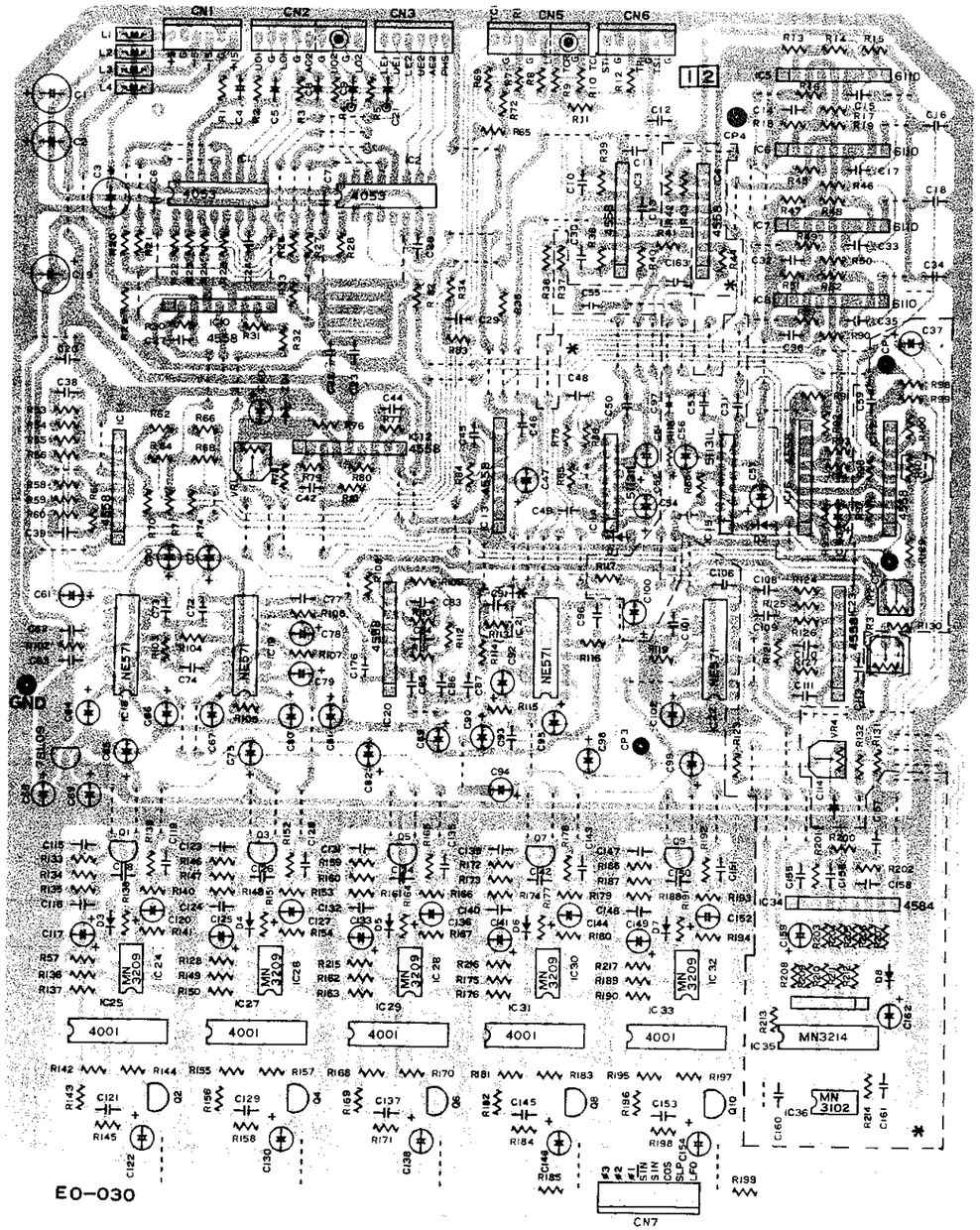
## 49. EO-030 CIRCUIT ENSEMBLE, TREMOLO/CHORUS, PHASER (ACCOMP. II) PROCESSORS

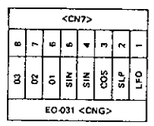


## 50. EO-030 PRINTED WIRING BOARD ENSEMBLE, TREMOLO/CHORUS PHASER (ACCOMP. II) PROCESSORS




◎ :SR7/SR6 ONLY
✱ :SR5 ONLY




[ ] :SR5 ONLY
In case of SR7, SR6
———— (Jumper line)

# 51. EO-031, EO-034 CIRCUITS
## SOUND SYSTEM CONTROL

SYN = SYNTH. VOL. CONT. (WHITE NOISE)
EXP = EXPRESSION CONT. TO VCAs
TV = TOTAL VOLUME CONT. TO VCAs
PFN = PAN FLUTE WHITE NOISE VCA CONT.
RYV = RHYTHM VOLUME CONTROL
CLP = CLICK PULSE (PERCUS EFFECT)
SR = MULTIPHONIC CONT.
L.CH = LOWER CHORUS CONT.
U.CH = UPPER CHORUS CONT.
TRM = TREMOLO CONT.

PHS = PHASER CONT.
LEN = LOWER ENSEMBLE CONT.
UEN = UPPER ENSEMBLE CONT.

EO-031

EXCEPT SR2700·SR7

SW1 = RIGHT TOE SW
SW2 = LEFT TOE SW
IN = EXPRESSION PEDAL
0 - 5V

ENSEMBLE II CONTROL

REV/PHASER CONT.

ENSEMBLE TREMOLO/CHORUS PHASER CLOCK CONT.

TOUCH SENSOR INTERFACE (Aftertouch)

EO-034

## 52. EO-031, EO-034
## PRINTED WIRING BOARD
## SOUND SYSTEM CONTROL

EXCEPT SR7 EO-029 <CN2>

| EO-002 <CNU-2> | | | | | | |
|---|---|---|---|---|---|---|
| | −A5 | −A5 | AG | AG | +A5 | +A5 |
| | 1 | 2 | 3 | 4 | 5 | 6 |
| <CNE> | | | | | | |

| EO-001 <CNM-7> | | | | | | |
|---|---|---|---|---|---|---|
| | −A5 | −A5 | AG | AG | +A5 | +A5 |
| | 1 | 2 | 3 | 4 | 5 | 6 |
| <CND> | | | | | | |

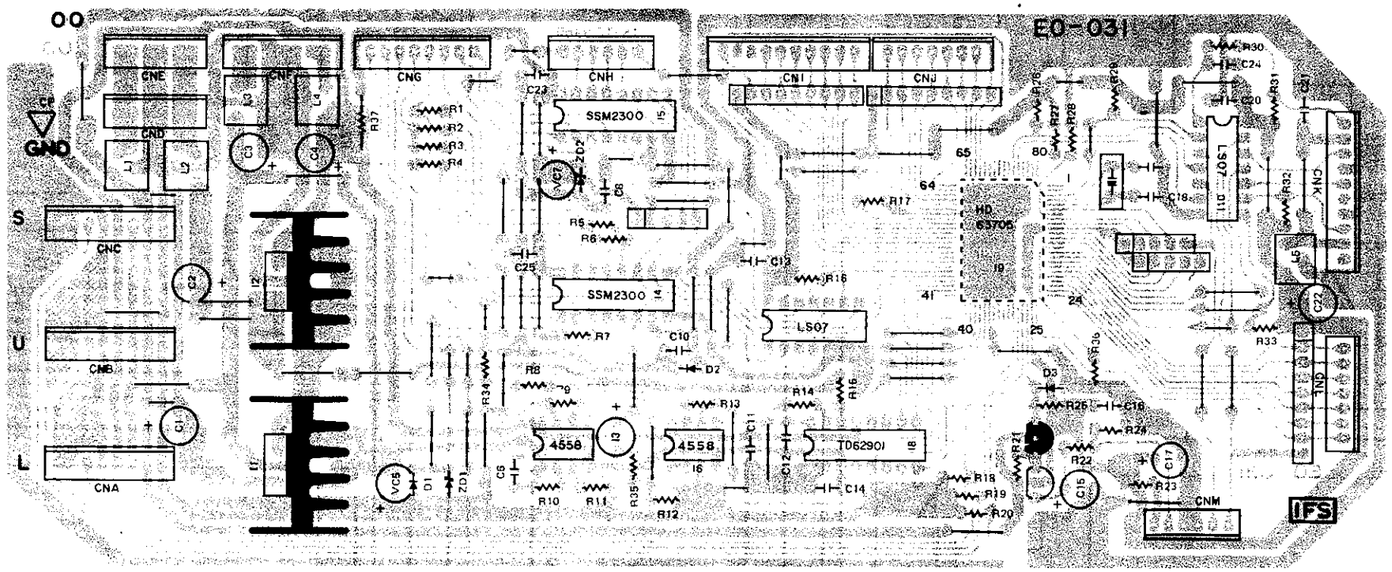
| SWITCHING REG. | | | | | | |
|---|---|---|---|---|---|---|
| | −A15 | −A15 | AG | AG | AG | +A15 | +A15 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| <CNF> | | | | | | | |

| EO-030 <CN7> | | | | | | | |
|---|---|---|---|---|---|---|---|
| | SIN | $\overline{SIN}$ | SLP | 03 | 02 | 01 | LFO | CDS |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| <CNG> | | | | | | | | |

| EO-027 <CN2> | | | | | | |
|---|---|---|---|---|---|---|
| | SYV | EXP | TV | PFN | RYV | CLP |
| | 1 | 2 | 3 | 4 | 5 | 6 |
| <CNH> | | | | | | |

| PEDAL KEYBOARD (13Keys) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | J1 | J0 | NC | K6 | K5 | K4 | K3 | K2 | K1 | K0 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| <CNI> | | | | | | | | | | |

| | EO-027 <CN2> | | EO-030 <CN3> | | |
|---|---|---|---|---|---|
| | SR | L-CH | U-CH | TRM | PHS | LE1 | UE1 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| <CNJ> | | | | | | | |




| <CNK> | | |
|---|---|---|
| | 1 | $\overline{RES}$ |
| | 2 | +D5 |
| | 3 | SCI1 |
| | 4 | DG |
| | 5 | PC2 |
| | 6 | NC |
| | 7 | DG |
| | 8 | SCI0 |
| | 9 | +D5 |
| | 10 | NC |

EO-001 <CNM-3>

| <CNL> | | |
|---|---|---|
| | 1 | UE2 |
| | 2 | LE2 |
| | 3 | ACE |
| | 4 | S0 |
| | 5 | S1 |
| | 6 | S2 |
| | 7 | TIM |

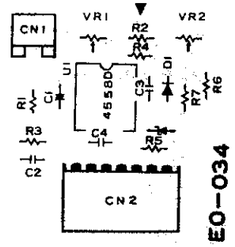
EO-030 <CN3>
EO-029 <CN1>

EO-031

| <CNA>, <CNB>, <CNC> | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | AG | AG | ATC | AG | +A15 | −A15 | −A5 | AG |
| EO-034 | | | | | | | | |

| KEY-BOARD | | |
|---|---|---|
| | − | − | − |
| | 3 | 2 | 1 |
| <CN1> | | | |

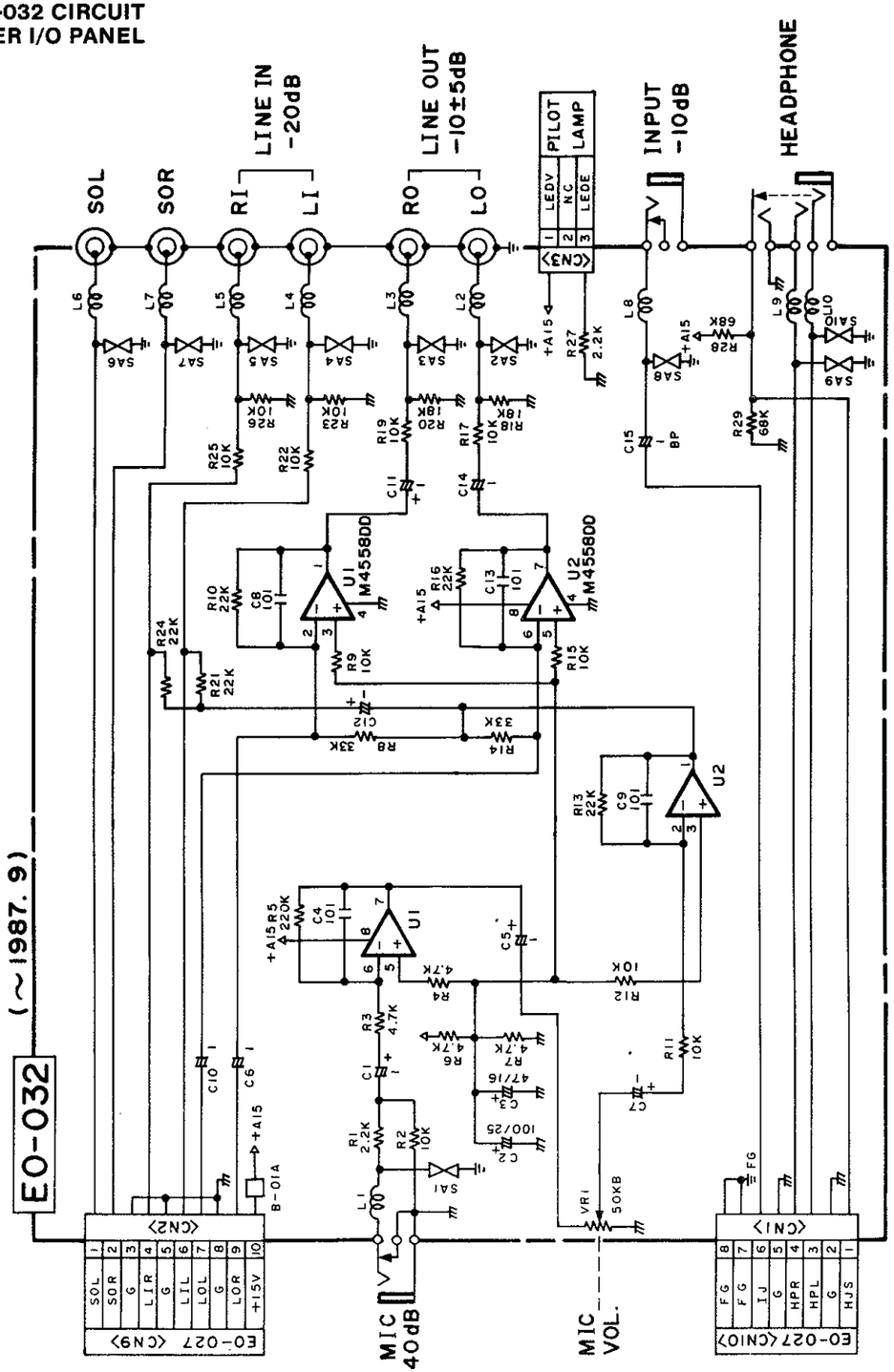
| EO-031 UPPER <CNB> LOWER <CNA> SOLO <CNC> | | | | | | | |
|---|---|---|---|---|---|---|---|
| AG | AG | ATC | AG | +A15 | −A15 | −A5 | AG |

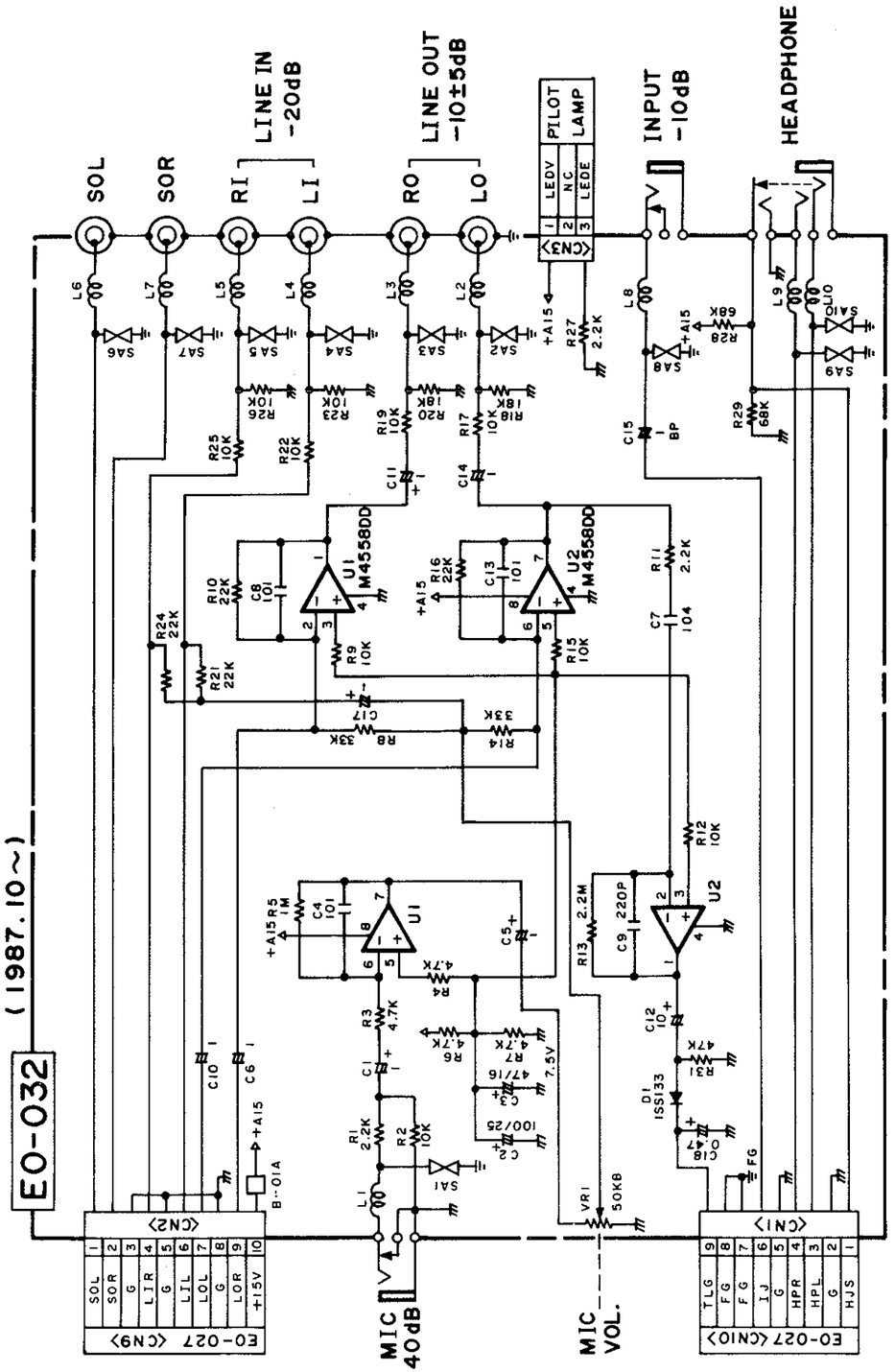


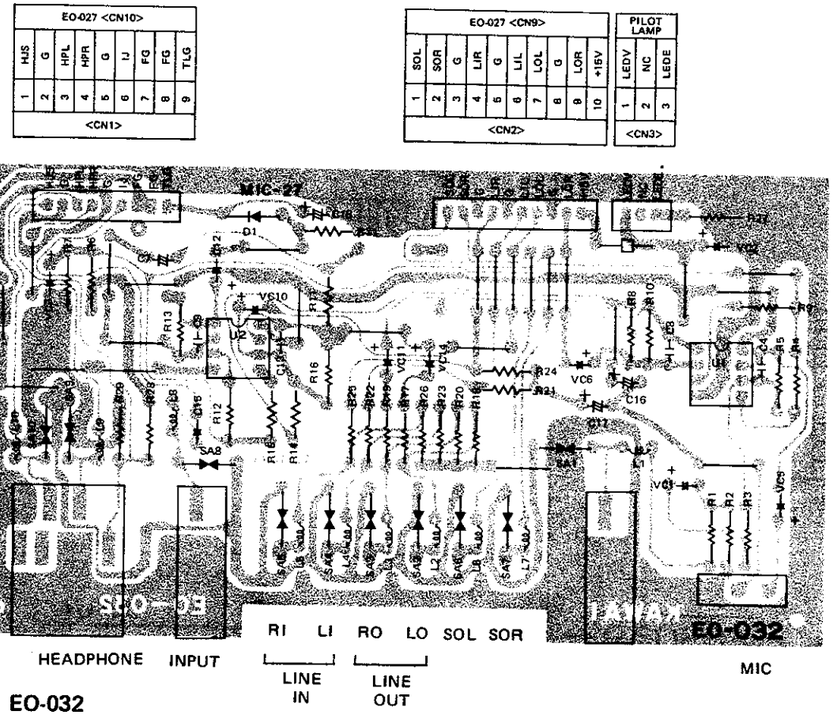

EO-034

| <CNN> | | | | | | |
|---|---|---|---|---|---|---|
| | 6 | 5 | 4 | 3 | 2 | 1 |
| | +V | IN | DG | DG | SW1 | SW2 |
| EXP. PEDAL | | | | | | |

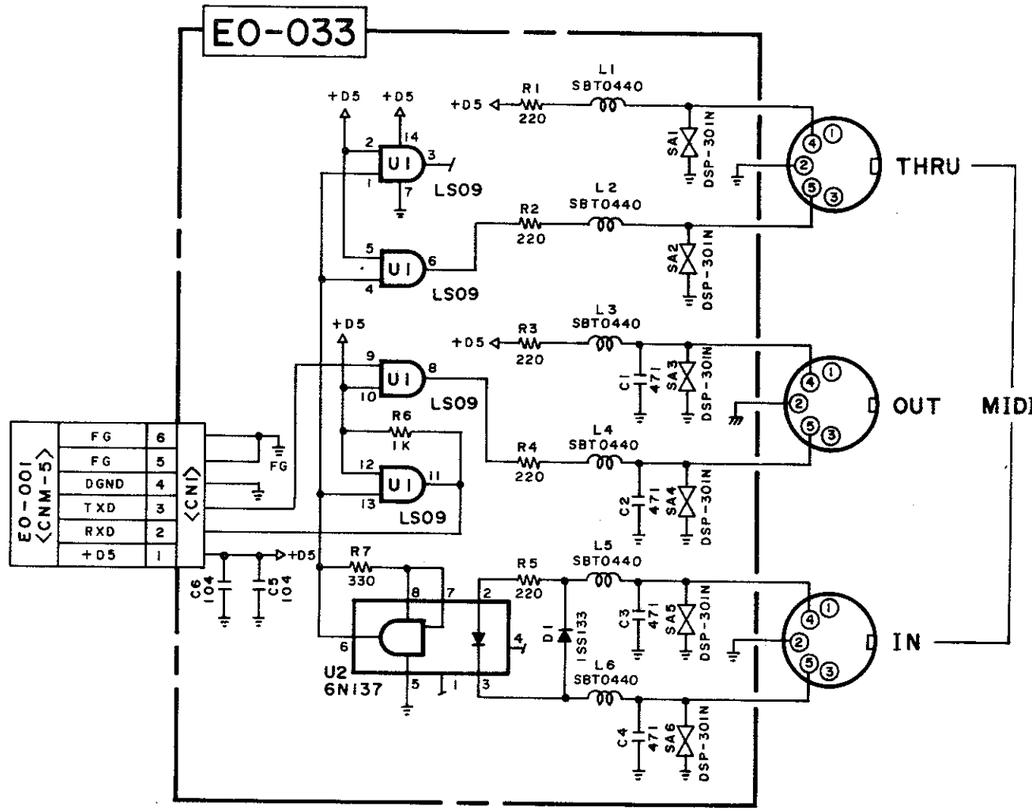
## 53. EO-032 CIRCUIT
## USER I/O PANEL

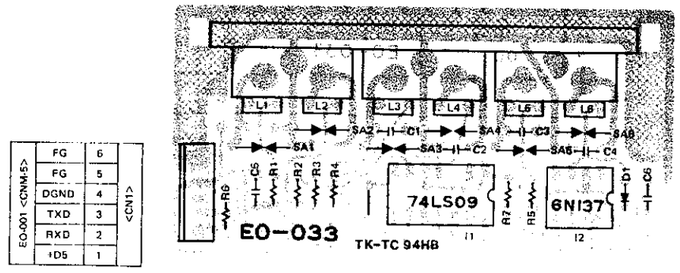



EO-027 <CN10>
HJS G HPL HPR G IJ FG FG TLG
1 2 3 4 5 6 7 8 9
<CN1>
EO-027 <CN9>
SOL SOR G LIR G LIL LOL G LOR +15V
1 2 3 4 5 6 7 8 9 10
<CN2>
PILOT LAMP
LEDV NC LEDE
1 2 3
<CN3>
MIC-27
EO-032
HEADPHONE
INPUT
RI LI RO LO SOL SOR
LINE IN
LINE OUT
MIC

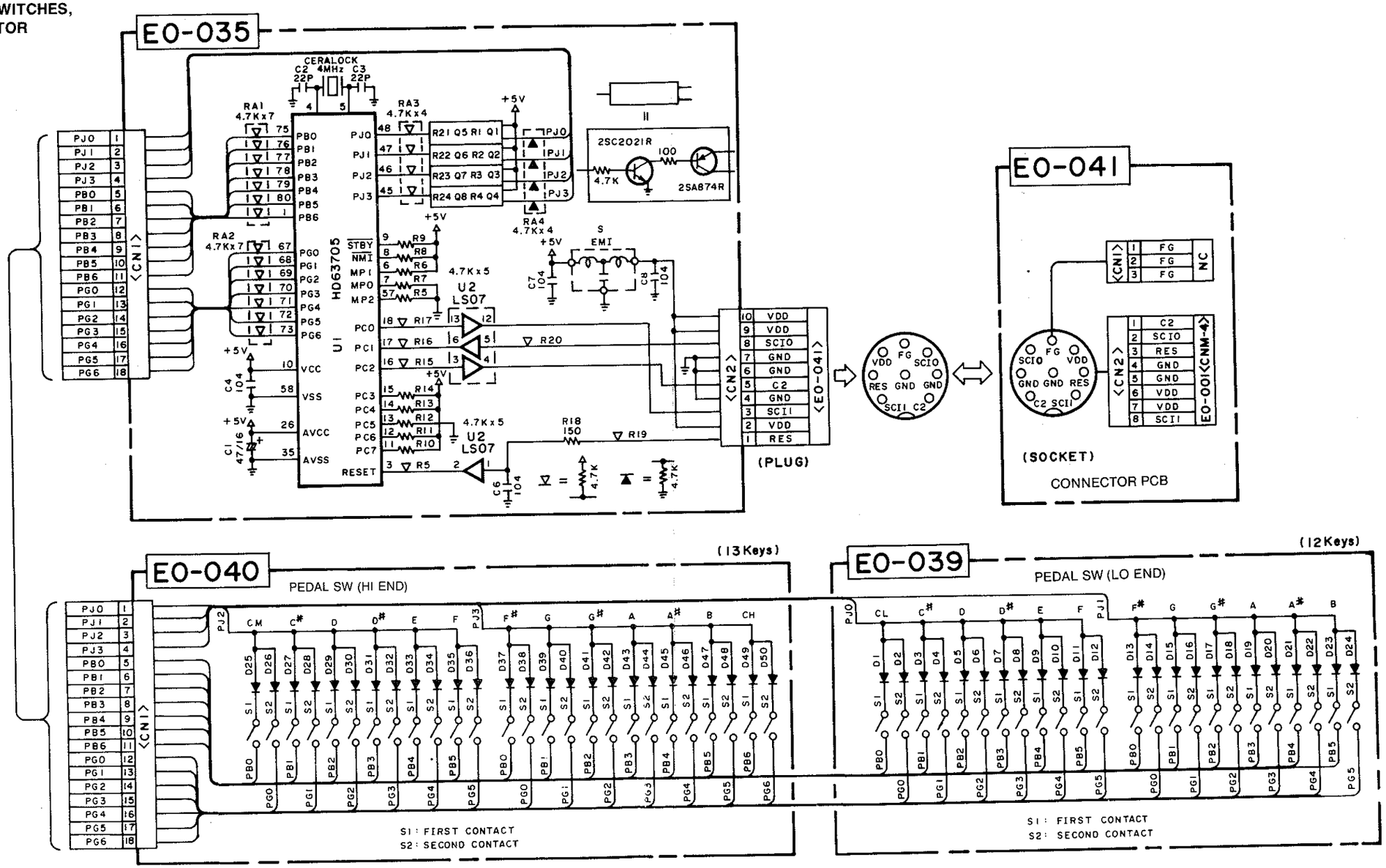
EO-032


EO-033
EO-001 <CNM-5>
FG 6
FG 5
DGND 4
TXD 3
RXD 2
+D5 1
<CN1>
+D5
R1 220
L1 SBT0440
SA1 DSP-301N
THRU
R2 220
L2 SBT0440
SA2 DSP-301N
U1 LS09
R3 220
L3 SBT0440
C1 471
SA3 DSP-301N
OUT
MIDI
R6 1K
R4 220
L4 SBT0440
C2 471
SA4 DSP-301N
R7 330
R5 220
L5 SBT0440
C3 471
SA5 DSP-301N
IN
U2 6N137
D1 1SS133
L6 SBT0440
C4 471
SA6 DSP-301N
C6 104
C5 104
FG


EO-001 <CNM-5>
FG 6
FG 5
DGND 4
TXD 3
RXD 2
+D5 1
<CN1>
L1 L2 L3 L4 L5 L6
SA1 SA2 SA3 SA4 SA5 SA6
C1 C2 C3 C4
C5 R1 R2 R3 R4
74LS09
6N137
D1 C6
R6 R7 R5
EO-033
TK-TC 94HB
I1 I2

EO-033

## 55. EO-035, EO-039
## EO-040, EO-041 CIRCUITS (SR7 ONLY)
## SERIAL INTERFACE,
## PEDAL SWITCHES,
## CONNECTOR

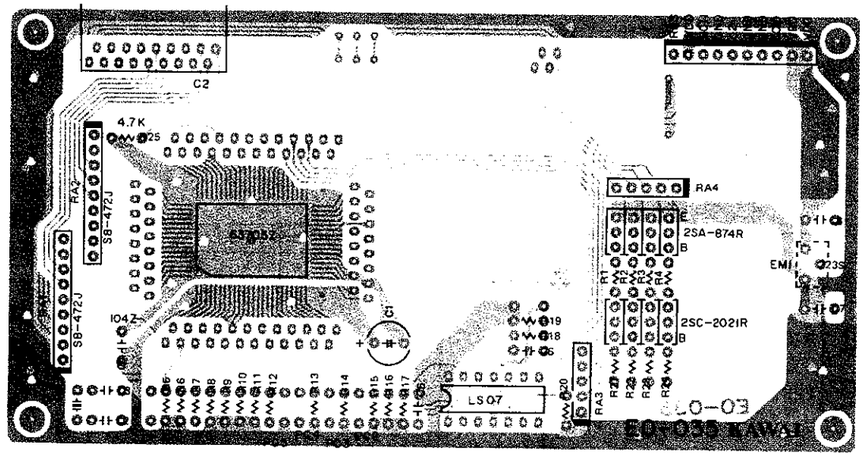



**SR5 & SR6 use the KS-14 pedal switch circuit board, Kawai part # KSX-14-001 (comes with rubber switch cups)**

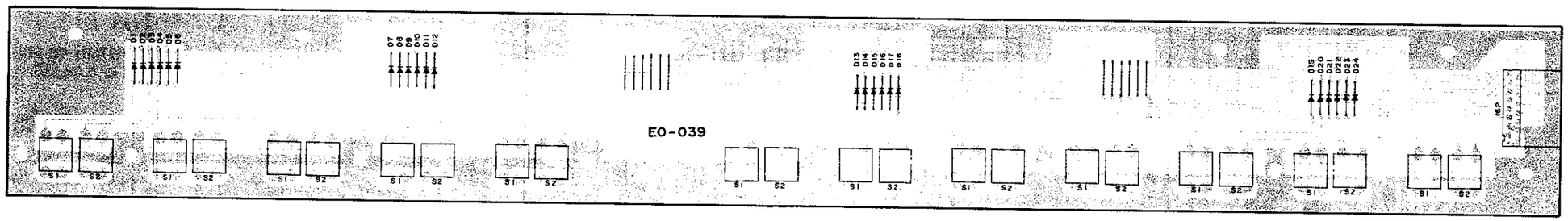
## 56. EO-035, EO-039, EO-040, EO-041 PRINTED WIRING BOARDS SERIAL INTERFACE, PEDAL SWITCHES SR-7, CONNECTOR

| EO-040 <CN1> | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PJ0 | PJ1 | PJ2 | PJ3 | PB0 | PB1 | PB2 | PB3 | PB4 | PB5 | PB6 | PG0 | PG1 | PG2 | PG3 | PG4 | PG5 | PG6 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| <CN1> | | | | | | | | | | | | | | | | | | |

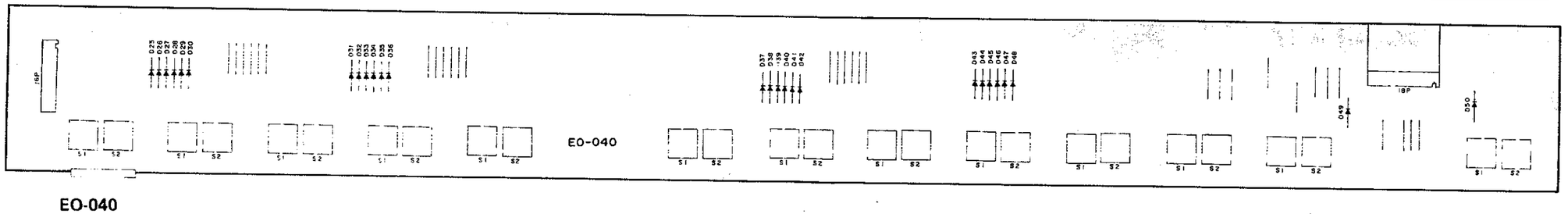
| EO-041 SOCKET | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| RES | VDD | SCI1 | GND | C2 | GND | GND | SCI0 | VDD | VDD |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| <CN2> | | | | | | | | | |




EO-035

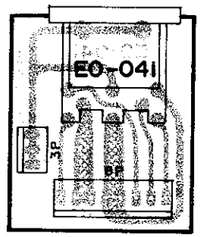



EO-039




EO-040

| NC | FG | 3 | <CN1> |
|---|---|---|---|
| | FG | 2 | |
| | FG | 1 | |



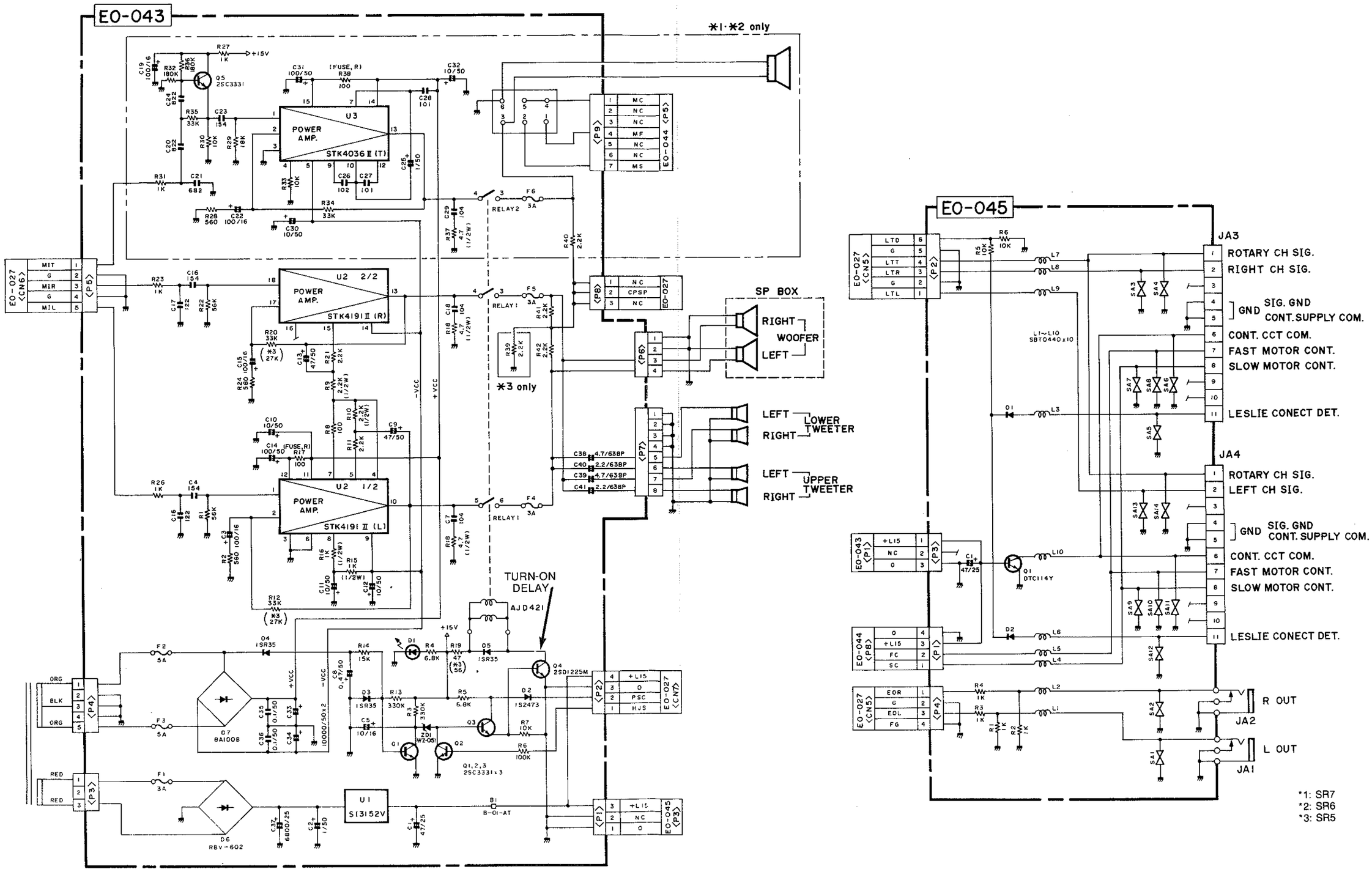

EO-041

| <CN2> | | | | | | | |
|---|---|---|---|---|---|---|---|
| 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
| SCI1 | VDD | VDD | GND | GND | RES | SCI0 | C2 |
| EO-001 <CNM-4> | | | | | | | |

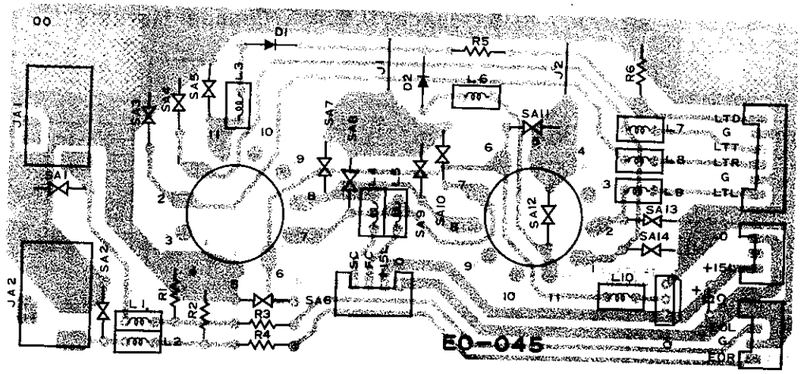
| <CN1> | | |
|---|---|---|
| 18 | PG6 | |
| 17 | PG5 | |
| 16 | PG4 | |
| 15 | PG3 | |
| 14 | PG2 | |
| 13 | PG1 | |
| 12 | PG0 | |
| 11 | PB6 | |
| 10 | PB5 | |
| 9 | PB4 | |
| 8 | PB3 | |
| 7 | PB2 | |
| 6 | PB1 | |
| 5 | PB0 | |
| 4 | PJ3 | |
| 3 | PJ2 | |
| 2 | PJ1 | |
| 1 | PJ0 | |

| PG6 | PG5 | PG4 | PG3 | PG2 | PG1 | PG0 | PB6 | PB5 | PB4 | PB3 | PB2 | PB1 | PB0 | PJ3 | PJ2 | PJ1 | PJ0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
| <CN1> | | | | | | | | | | | | | | | | | |

## 57. EO-043, EO-045 CIRCUITS
## POWER SUPPLY, AMPLIFIER, TURN ON KILLER, EXT. OUTPUT



## 58. EO-043, EO-045
## PRINTED WIRING BOARDS
## POWER SUPPLY, AMPLIFIER, TURN ON KILLER, EXT. OUTPUT




EO-045

| EO-027 <CN6> | | |
|---|---|---|
| MIL | G | MIR |
| 3 | 2 | 1 |
| <P5> | | |

✱ SR5 ONLY

| EO-027 <CN6> | | | | |
|---|---|---|---|---|
| MIL | G | MIR | G | MIT |
| 5 | 4 | 3 | 2 | 1 |
| <P5> | | | | |

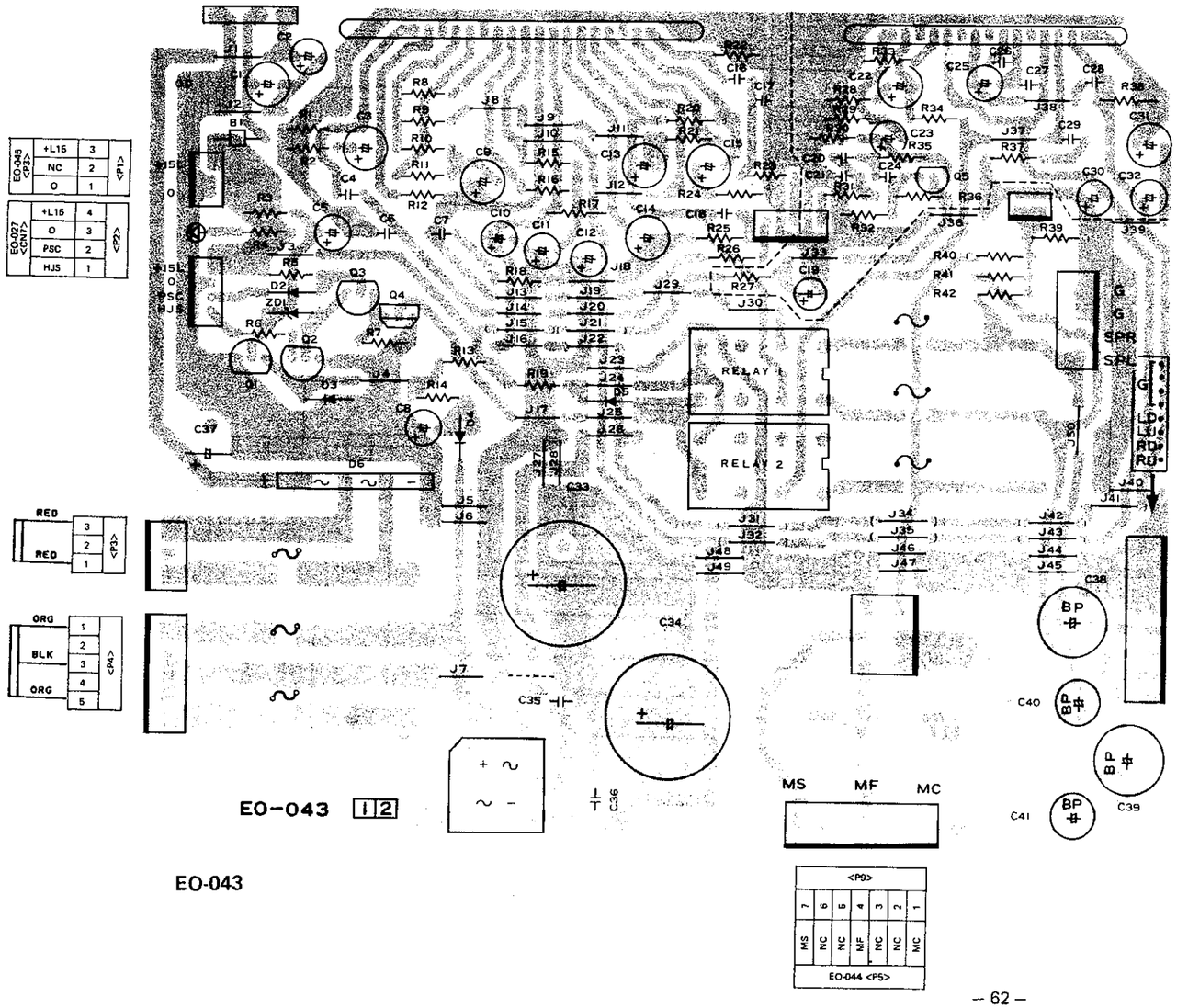
| EO-027 | | |
|---|---|---|
| NC | CPSP | NC |
| 1 | 2 | 3 |
| <P8> | | |

| <P2> | | |
|---|---|---|
| 6 | LTD | EO-027 <CN5> |
| 5 | G | |
| 4 | LTT | |
| 3 | LTR | |
| 2 | G | |
| 1 | LTL | |

| <P3> | | |
|---|---|---|
| 3 | O | EO-043 <P1> |
| 2 | NC | |
| 1 | +L15 | |

| <P4> | | |
|---|---|---|
| 4 | FG | EO-027 <CN6> |
| 3 | EOL | |
| 2 | G | |
| 1 | EOR | |

| <P1> | | | |
|---|---|---|---|
| SC | FC | +L16 | O |
| 1 | 2 | 3 | 4 |
| EO-044 <P8> | | | |



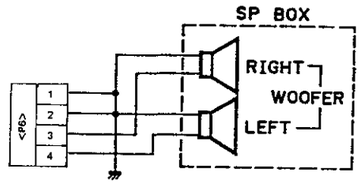

| EO-045 <P3> | | |
|---|---|---|
| +L16 | 3 | <P1> |
| NC | 2 | |
| O | 1 | |

| EO-027 <CN7> | | |
|---|---|---|
| +L16 | 4 | <P2> |
| O | 3 | |
| PSC | 2 | |
| HJS | 1 | |

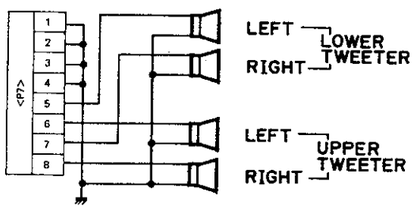
| RED | | |
|---|---|---|
| RED | 3 | <P3> |
| | 2 | |
| | 1 | |

| ORG | | |
|---|---|---|
| | 1 | <P4> |
| BLK | 2 | |
| | 3 | |
| ORG | 4 | |
| | 5 | |

| <P9> | | | | | | |
|---|---|---|---|---|---|---|
| 7 | 6 | 5 | 4 | 3 | 2 | 1 |
| MS | NC | NC | MF | NC | NC | MC |
| EO-044 <P5> | | | | | | |




| <P6> | |
|---|---|
| 1 | |
| 2 | |
| 3 | |
| 4 | |

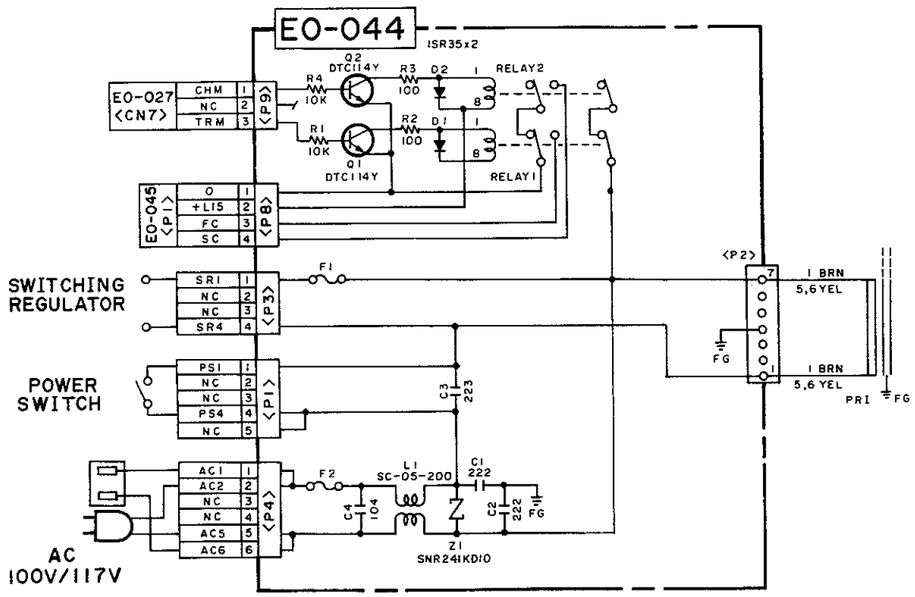



| <P7> | |
|---|---|
| 1 | |
| 2 | |
| 3 | |
| 4 | |
| 5 | |
| 6 | |
| 7 | |
| 8 | |

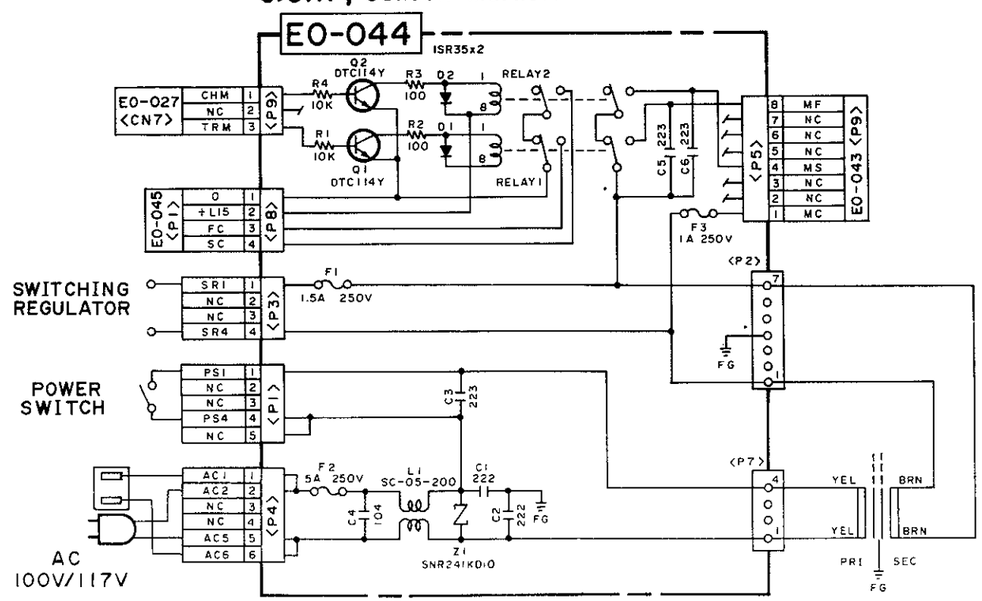
= SR5 ONLY

## 59. EO-044 CIRCUIT AC INPUT

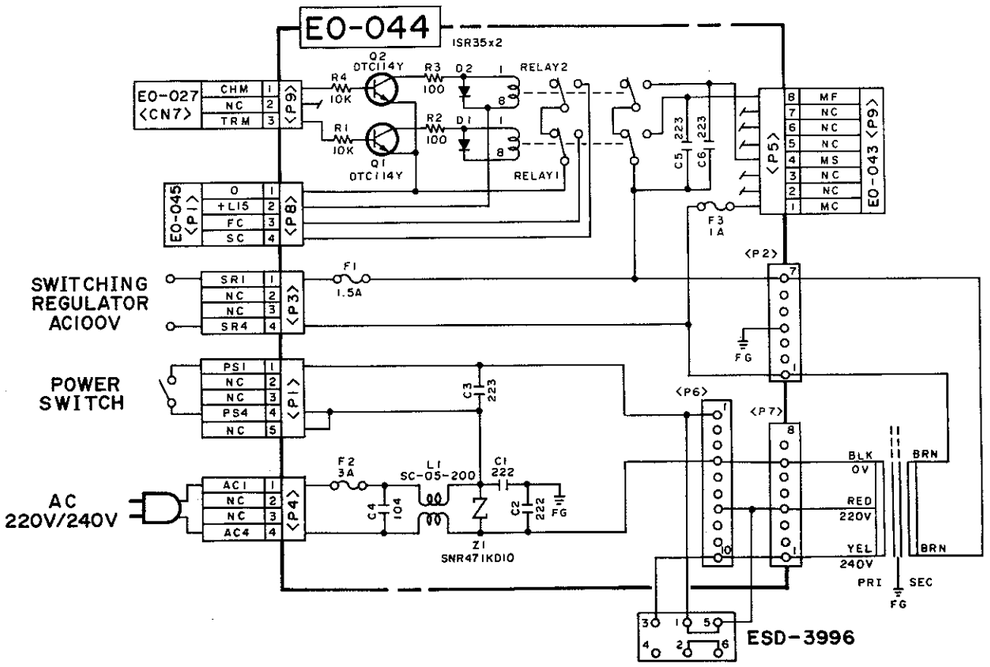
SR2700/1600 Japan Market
SR1500/SR5 Japan, U.S.A , Canada Markets



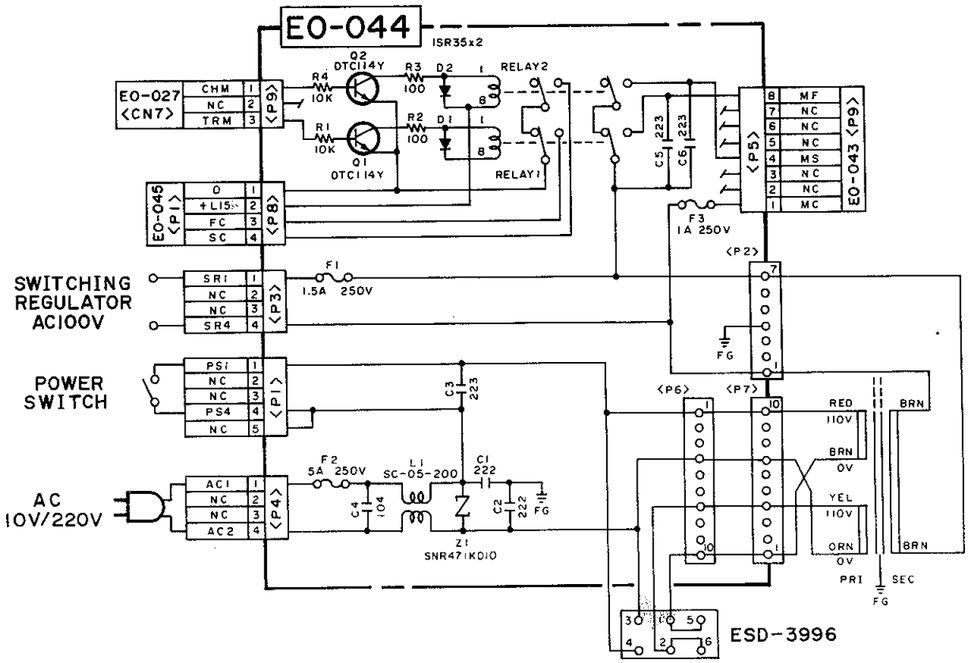

SR7·SR6
U.S.A , Canada Markets



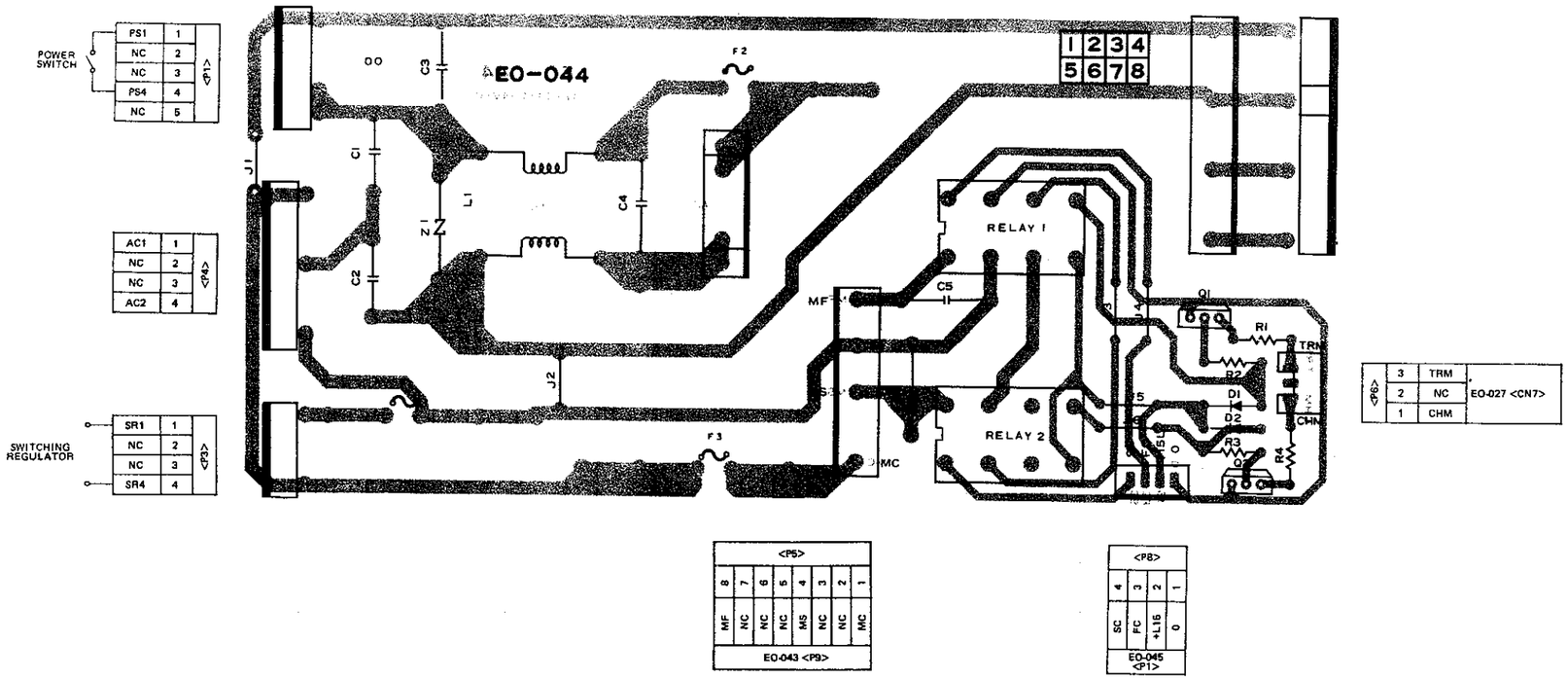

SR7/6/5
Europe, Australia, England, South Africa Markets




SR7/6/5 110V/220V Markets



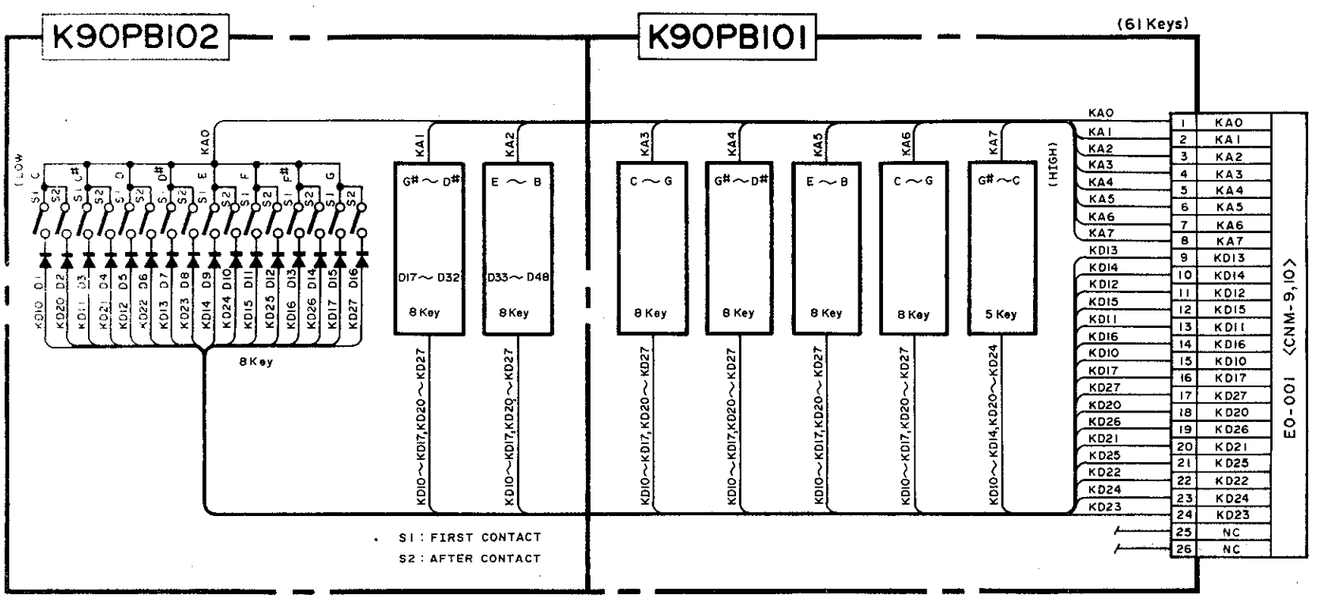
## 60. EO-044 PRINTED WIRING BOARD
## AC INPUT



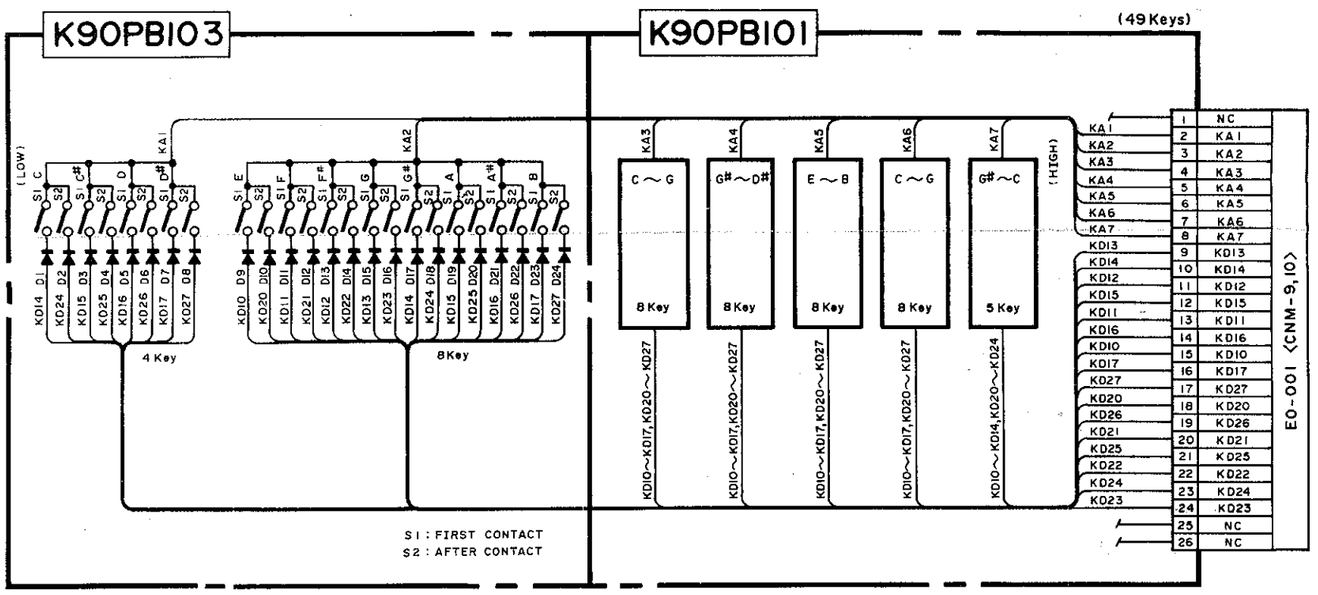

| <P5> | | | | | | | |
|---|---|---|---|---|---|---|---|
| 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
| MF | NC | NC | NC | MS | NC | NC | MC |
| EO-043 <P9> | | | | | | | |

| <P8> | | | |
|---|---|---|---|
| 4 | 3 | 2 | 1 |
| SC | FC | +L15 | 0 |
| EO-045 <P1> | | | |

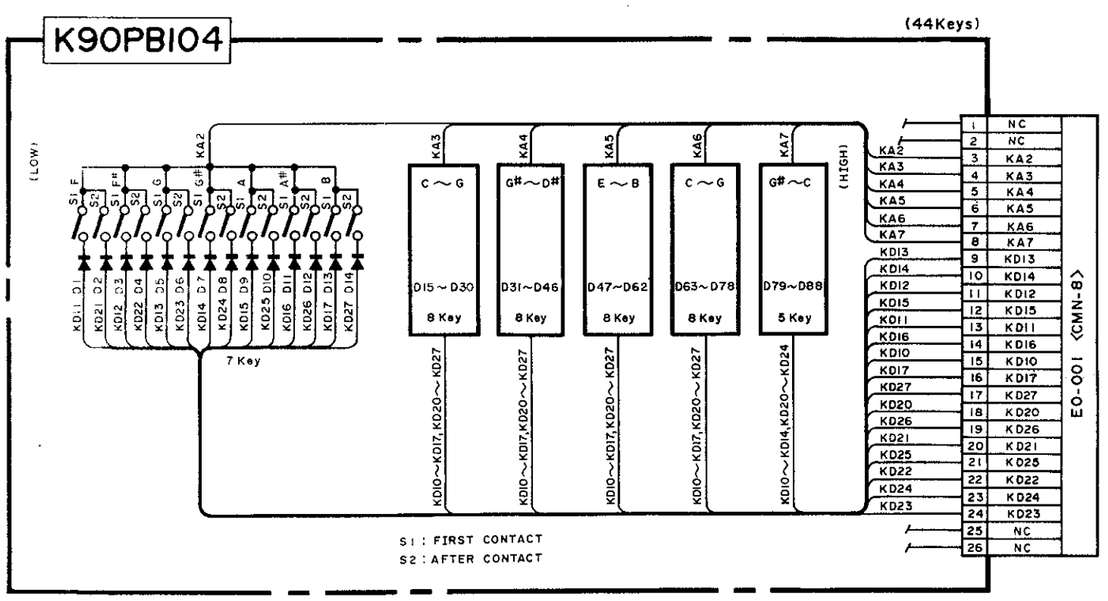
| P.W.B. No. | (1) SR2700 SR1600 | (2) SR7 SR6 | (3) SR7 SR6 | (4) SR7 SR6 | (5) SR7 SR6 | (6) SR1500 | (7) SR5 | (8) SR5 | (9) SR5 | (10) SR5 |
|---|---|---|---|---|---|---|---|---|---|---|
| Item \ Markets | Japan | U.S.A. | Canada | Europe | 110/220V markets | Japan | U.S.A. | Canada | Europe | 110/220V markets |
| F1 Fuse | 1.5A | 1.5A-250V LITTEL | 1.5A-250V LITTEL | 1.6A MINI | 1.5A-250V LITTEL | 1.5A | 1.5A-250V LITTEL | 1.5A-250V LITTEL | 1.6A MINI | 1.5A-250V |
| F2 Fuse | 5A | 5A-250V LITTEL | 5A-250V LITTEL | 3.15A MINI | 5A-250V LITTEL | 5A | 5A-250V LITTEL | 5A-250V LITTEL | 3.15A MINI | 5A-250V |
| F3 Fuse | 1A | 1A-250V LITTEL | 1A-250V LITTEL | 1A MINI | 1A-250V LITTEL | – | – | – | – | – |
| C5 | 223/250V | 223/250V | 223/250V | 223/250V | 223/250V | – | – | – | – | – |
| C6 | 223/250V | 223/250V | 223/250V | 223/250V | 223/250V | – | – | – | – | – |
| <P5> | B8P-VH | B8P-VH | B8P-VH | B8P-VH | B8P-VH | – | – | – | – | – |
| Trans | T-008D | T-008V | T-008C | T-008I | T-008E | T-007D | T-007U | T-007C | T-007I | T-007E |




⇦ Upper • Lower for Model SR7




⇦ Upper • Lower for Model SR6/5




⇦ Solo for Model SR7/6